

# Sierra & Tahoe Outdoor Furniture Collection

## Assembly & Installation Instructions

### Recommended Procedure for Installation:

1. Product must be secured to the floor for stability, safety and security.
2. Unpack product. **Be careful not to damage finish.** Take care to not slide unit over concrete or other abrasive surfaces that could damage the powder coat finish. Place unit in desired position.
3. Mark hole locations through anchor holes. Move unit to allow for access for drilling holes.
4. Drill holes at marked positions for appropriate anchors. It is the responsibility of the installer to ensure no underground utilities will be damaged during install.
5. Because every application is different, the anchoring procedure and hardware is the responsibility of the installer. Field conditions are beyond the scope of these installation instructions and the below are basic recommendations;
  - a. For concrete: A concrete wedge anchor bolt (red head) would be recommended, however type and condition of anchoring surface ultimately determine type and length of anchor.
  - b. For asphalt or bare terrain: A penetrator style anchor bolt (American Earth anchors) would be recommended, the depth and type will be determined by the ground material. Depending on the style, accessories can be used to help secure the part.
  - c. For bare terrain: excavation and footing (e.g. concrete pad) can be used to secure the product with anchor bolts. The size of the footing will be determined by the installer.
6. Non-corrosive/rust anchors are required for outdoor or moist environments (e.g. Stainless steel, galvanized or aluminum alloy)
7. General manufacturers install instructions are listed in the appendix. If a different anchoring system, style or brand is chosen, follow that manufacturer's instructions.
8. Care must be taken to prevent scratching finish, use touch-up paint to repair any finish abrasions.



## Appendix

### Concrete Fastening Systems, Inc. Installation Instructions

1. Using a hammer drill - set in the hammer and rotation mode, with a carbide tipped bit that meets ANSI standards and is the same diameter as the Red Head® wedge anchor being installed, drill a hole in the concrete. Drill the depth of the hole slightly deeper than the expected embedment depth chosen making sure that the minimum embedment depth for the diameter of Red Head® wedge anchor is met.
2. Clear the hole of all dust and debris using a wire brush, vacuum or compressed air.
3. Install washer and nut onto the threaded end of the Red Head® wedge anchor, leaving the nut flush with the top of the anchor body. This will protect the threads during installation.
4. Insert the Red Head® through the fixture to be fastened and into the hole in the concrete, using a hammer strike the nutted end of the Red Head® wedge anchor until the washer and nut are tight against the surface of the fixture.
5. Finger tighten the nut and then with a wrench turn the nut clockwise 3 to 5 full turns or until the specified torque values for the diameter of Red Head® wedge anchor is reached.

<https://www.confast.com/articles/red-head-wedge-anchor-installation>

### Asphalt or Earth Fastening

1. Drill pilot hole through asphalt if present.
2. Place item to be anchored above/next to hole(s) and set anchor (using attachments as appropriate to secure item).
3. Use suitable tool to impact, screw or tighten anchor all the way down.
4. If necessary, connect any attachments from anchor to item to be secured.

<https://americanearthanchors.com/technical-specs/product-dimensions/>

### Bare Terrain

1. Excavate area to be used; over excavation may be required depending on ground material.
2. Compact area; back fill as needed (compact back fill in lifts, i.e. every 3-6" of back fill compact). Back fill material and moisture content to be determined by installer.
3. Set forms for concrete, should be flush and level with grade
4. Set rebar (size and spacing to be determined by installer)
5. Pour concrete. Concrete strength to be determined by installer.
6. Finish concrete smooth and flush with top of forms

<https://www.quikrete.com/athome/video-pouring-concrete-slabs.asp>