



**Technical Bulletin – Bench/Table Installation on Concrete Pad
May 2008**

Installation Guidelines for Securing Wishbone Benches and Picnic Tables to Concrete Pads

Option 1 (epoxy):

1. Put the product in position on the concrete pad.



2. Mark the holes with a felt pen.



3. Remove the product.

4. Drill 1/2" to 5/8" holes with concrete drill to a maximum depth of 4" deep. Try to avoid drilling through the concrete as you will use up lots of glue filling the hole.



5. Put a 3 1/2" long, 3/8" diameter galvanized or stainless carriage bolt with washer through all the leg mounts. (Cascades Park series benches and picnic tables require a minimum of 8" bolts.)



6. Put epoxy into the 4 holes. Both HILTI® and SIMPSON® Strong-Tie makes an excellent product.



HILTI® HIT HY150. Note that with this brand you do need special gun to dispense the glue.

http://www.us.hilti.com/holus/modules/prcat/prca_navigation.jsp?OID=-17161

SIMPSON® ATPAC05KT.

http://www.us.hilti.com/holus/modules/prcat/prca_navigation.jsp?OID=-17161

<http://www.simpsonanchors.com/catalog/adhesives/at/index.html>

7. Put the product in place with the 4 carriage bolts setting into the epoxy.



8. Put some weight on the anchors and allow them to set in the epoxy. This only takes a few minutes.

9. Using a paint pen, paint the tops of the fasteners to match the color of the product. If you are using galvanized fasteners this will help to reduce potential rusting over time.

Option 2 (no epoxy):

1. Place the product in position.
2. Mark the holes using a felt pen
3. Remove the product.
4. Using a concrete drill, drill holes to the size and depth specified on the concrete anchor.
You can purchase from most building supply stores concrete anchors (example below of a single expansion concrete anchor, plus lag bolt). They say on them the size of hole needed to be drilled into the concrete as well the size of lag bolt required. Don't go larger than 5/8"!!



Follow this link to more information on concrete anchor systems, and a short video on how to install a concrete anchor:

<http://www.confast.com/products/single-expansion-fastener.aspx>

5. Pound the anchors into the concrete
6. Place the product in such a way that the holes line up.
7. Lag the bolts to the anchors.
8. Using a paint pen, paint the tops of the lag bolts to match color of the product. If you are using galvanized fasteners this will help to reduce potential rusting over time.

Thanks for choosing Wishbone Site Furnishings.

1-866-626-0476

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