

Anchor kit specs 2006
American Earth Anchors 3" Steel Earth Anchors Technical Details

Soil conditions – minimum vertical depth ¹ – 24 inches with 1/8 inch cable. (from http://www.americanea.com/)	Pullout Force
Hard pan soil	2,000 lbs.
Class 1 soil ² – dense sand & gravel	1,800 lbs.
Class 2 soil ² – medium sandy gravel	1,700 lbs.
Class 3 soil ² – loose medium to fine sand	600 lbs.
Class 4 soil ² – loose fine uncompacted sand	350 lbs.



¹ In determining vertical depth to the earth anchor, the thickness of topsoil, peat, soft clay and similar soft soils at ground surface should not be included. Target depth is 30-36".

² The applicable class of soil is that present within a zone from the earth anchor to a point from one to three feet above the anchor depending upon the anchor size.

INSTALLATION INSTRUCTIONS One anchor has a loop at the end of a 36" cable, the other has a 34ft cable.

Step 1
Using the drive rod and a hammer, drive the anchor vertically into the ground until the cable loop barely shows (approx 36").

Step 2
With the anchor driven to proper depth, remove the drive rod.

Step 3
Slide the drive rod through the thimble end and pull up on cable to set anchor horizontally in the ground. (Will usually pull up 2"-6", depending on soil.)

Step 4 For Pre-fab sheds
Run the cable over the top plates of the end walls, then attach ends with cable clamps, removing any slack.

Step 4 For Stick-built Monarchs
Drill small hole thru rim joists near top, 2"-3" from end walls, run long cable thru holes, over 4x6s, then attach ends with cable clamps as shown, removing any slack and cutting off excess cable.

Step 5
After finishing shed, cover cables with corner boards.

Step 6
Install H2.5A hurricane clips to connect rafters to top plate.

Hurricane Clips are also included with our Anchor Kits, to attach the rafters to the top plates of the walls. We use Simpson Strongtie H2.5A, which have a rating of 480 lbs of uplift load each. Stick-built Monarchs come standard with hurricane clips.

