

# BOLT<sup>TM</sup>HOLD Anchor Installation Instructions

*Anchors can be installed in 15 minutes, plus adhesive curing time.*



## TOOLS YOU WILL NEED:



Safety goggles



Tape Measure



Nylon Brush



Mallet



Wrench



Mixing cup with mixer and grout and water



or Cartridge with mixing nozzle and caulk gun



Rag



Rotary Hammer Drill



Vacuum or air pressure source

## 1. PREPARE THE AREA

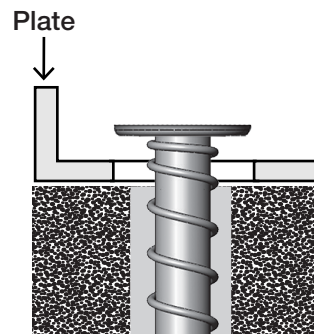
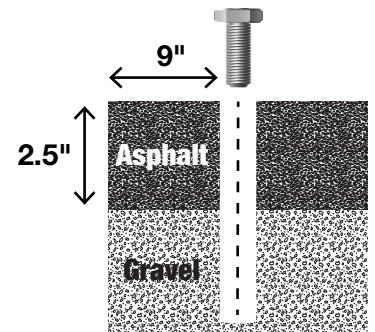
- The asphalt must be clear of debris, level, and at least 2.5" thick.

**Note:** Anchors are usually longer than the thickness of the blacktop – this is OK!

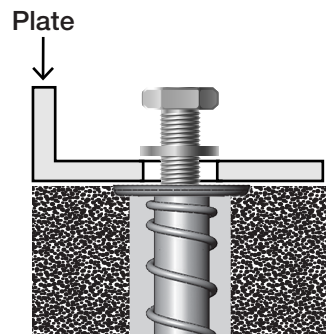
- Verify that there are no pipes or cables below the surface.
- Place anchors at least 9" from the edge of the asphalt.

Do not install the anchor *through* a plate or bracket. The object to be mounted will be placed *over* the anchor and bolted down after the anchor has been installed.

If the object to be installed can not be moved, add L brackets on the side of the object to secure it to the anchors.



**NO**



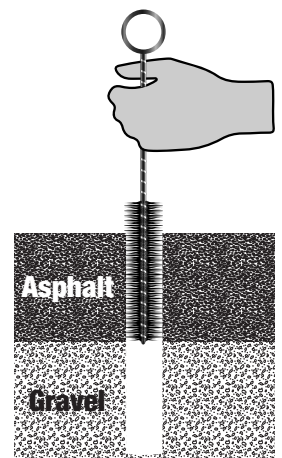
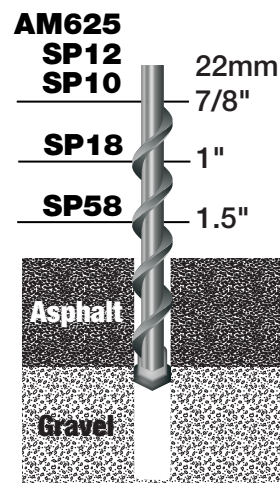
**YES**

## 2. DRILL AND CLEAN THE HOLE

- Use a rotary hammer to drill a hole using the specified masonry drill bit. Drill only to the length of the anchor. A deeper hole requires more grout and will not improve hold.

If installing an object that needs to be removed (e.g. for snow plowing) use our Flattener Tool to compact the asphalt surface and create room to sink the anchor's head for a completely flush installation.

- Blow the hole and surrounding area with compressed air, a blower or vacuum.
- Remove any dust from the hole walls (make 5-6 passes with a nylon brush or a wet rag wound around a dowel).
- Blow again to remove any loosened dust.



### 3. PREPARE THE ADHESIVE

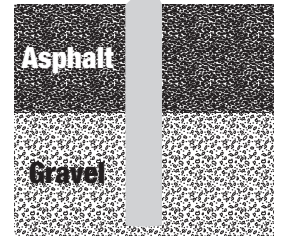
- Use only EPX2 cement or EPX3 epoxy for a reliable, strong hold.
- The EPX2 powder must be mixed with water to a **dense consistency** else it will seep through the soil.

Do not use the EPX2 when installing the anchors in temperatures below 50°F, or if water is visible in the hole.

When using a mixing nozzle, push grout through the nozzle until the exiting mixture becomes uniformly gray, ensuring thorough mixing. You can reuse the mixing nozzle for multiple cartridges within the pot life of the resin (10-15 minutes at 75°F, less at higher temperatures).



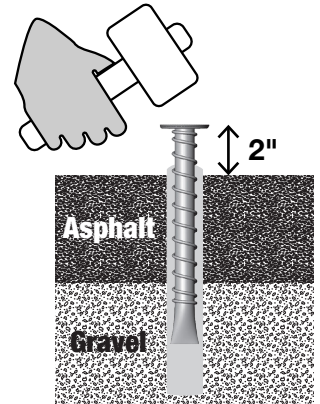
OR



### 4. AFFIX THE ANCHOR

Keep the bolt screwed in the anchor during installation to protect threads.

- Fill the hole to the top with the adhesive, ensuring no air pockets.
- Slowly push in the anchor. Pull back out 1" and push in again to wet the surfaces and promote adhesion.
- With the head of the anchor 2" above the surface, top off the adhesive to be flush with the asphalt surface.
- Push the anchor in again until the top is flush. Use a mallet if needed.
- Squeeze-out ensures that the hole has been completely filled. Promptly clean the area with a wet rag or scrap material.

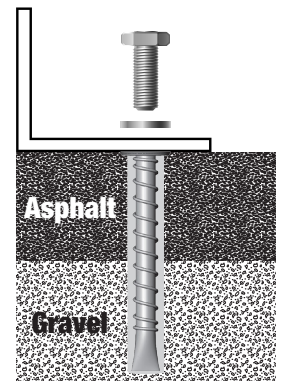


### 5. SECURE YOUR ITEM

- Let the adhesive cure for 1 hour (longer when temperatures are below 60°F degrees).

In very cold conditions, use a torch or heat gun to warm the installed anchor and kickstart the curing process.

- Remove the bolt and washer.
- Ensure that the plate to be attached to the anchor is flat, making contact with the anchor head, and the holes are aligned with the heads of the anchors.
- Place the washer under the head of the bolt and push the bolt through the object being secured and tighten. Do not overtighten or use impact wrench or else the torque will break the bond with the asphalt.



### DO YOU NEED ADDITIONAL INFORMATION?

- Find more detailed installation instructions at <https://aac.fyi/guide>
- Get more help at <https://aac.fyi/support> or call 973.669.8214, ext. 1



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