

Aluminum Ground Sleeve for 2" Square Poles

Use in conjunction with Aluminum Ground Stakes

A ground sleeve is a very useful accessory for any of our 2" or 3" square pole systems. A ground sleeve enables you the flexibility of removing the ground stake during the off season.

IMPORTANT! Test fit your ground stake inside the sleeve before installation.

Step 1) Dig a hole 9" in diameter by 34" deep. Add 4" of small pea gravel or like to the bottom of the hole

Step 2) Assemble your ground sleeve. Match the 2 halves together, aligning the 3/8" hole in the center section. Insert the bolts and thread on the nuts. Place the small angle pin into the 3/8" hole. Place a piece of duck tape, or packaging tape over the pin to hold it into place (see photo 2A). This pin will keep your ground stake at the proper above ground height. Tip! Use some duck tape and seal the edges of sleeve to keep concrete from leaking in.

Step 3) Place the ground sleeve into the hole. Insert your aluminum ground stake into the sleeve. This will keep cement from falling into the sleeve and help you level the sleeve. Make sure the top of the sleeve is at ground level, and orient the sleeve with ground stake in the direction you want.

Step 4) Mix up your cement according the directions on the package. We used 2 80# bags of QuickCrete to fill our hole. You may need a larger hole depending on your ground conditions.

Step 5) Fill the hole with cement. Don't let any of the cement dribble down the side of the ground stake, so keep a cloth handy to wipe any dribbles off.

Step 6) Check for level by placing your level against the ground stake on 2 different sides.

Step 7) Allow 24 hours for concrete to cure before continuing installation.



Step 1



3/8" hole

Step 2



Step 2A



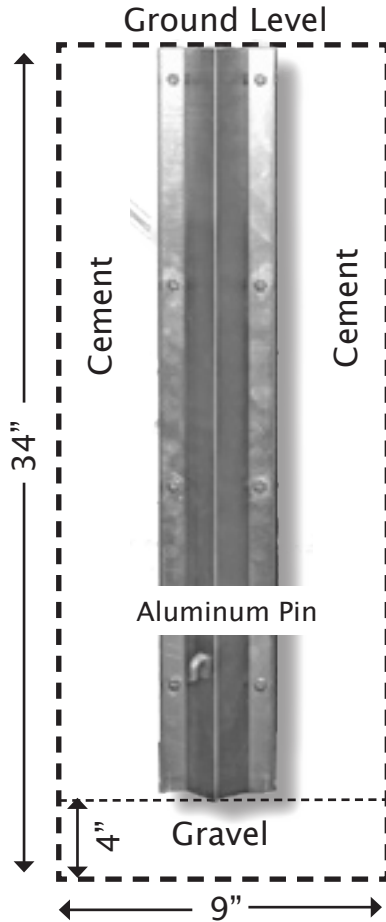
Step 3

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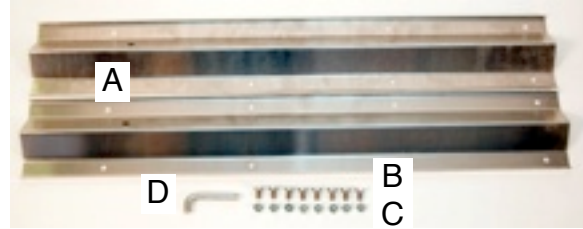
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Parts:

Poor Soil Conditions -
Warrant larger holes



A 2 piece aluminum ground sleeve



B 8 bolts

C 8 nuts

D 1 pin



TIP! Place some lithium grease or engine oil (or like) on the ground stake. The grease-oil needs only be placed on the ground stake 24" or the section of the ground stake that will be inside the sleeve. This will shed water away and aid in ground stake removal.