



# K-71 POST

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Technical Installation Manual

## INSTALLATION INSTRUCTIONS Flexible Marker Posts



### Application

K-71 Posts are a flexible traffic marker post designed with a single point anchor system that promotes quick installation and removal. K-71 post can be anchored directly to a road surface or glued to the surface using an optional disk plate. The K-71 anchor sleeve adhesive system ensures a sealed surface bond eliminating water infiltration unlike lag bolts and lag shields.

### Quick Reference Installation procedures

- A - Locate and mark surface where post(s) will be installed.
- B - Use 7/8" or 3/4" wide Carbide drill bit.
- C - Drill hole 5 3/4" deep.
- D - Remove drill debris powder by air pressure
- E - Fill hole with 2 part adhesive resin
- F - Let cure
- G - Remove anchor sleeve protective cap, using T-Bar insert through top center of post and screw base plate directly into bonded pavement sleeve. Spin the bolt until metal base plate is secure to the road surface.

### Normal installation time

- 1 Man 10 Posts per Hour.
- 2 Man 20 Posts per Hour.

- Drilling Approx: 1-2 minutes
- Clean Hole: < 30 seconds
- Inject Epoxy: < 30 seconds
- Insert Sleeve: < 30 seconds
- Install Post: < 30 seconds

### K-71 POST recommended installation tools and equipment

Barricade, cones	To ensure worker safety
Measuring tape and chalk / marker	To measure and mark holes to be drilled
Hammer Drill	Drill pavement and concrete
7/8" or 3/4" Carbide bit	Drill pavement concrete
Electric power / Or battery operated drill	Power drilling equipment
Air pump / tubular wire brush	Blow out and clean hole from drill powder
T-Bar	Installation / removal of posts
Broom	Sweep up any debris from drilling

### K-71 POST anchor hardware

Metal Pavement Sleeve	Anchor K-71 Post to asphalt / concrete
Reinforcement screen (See image page 4)	Use when Asphalt or concrete is thinner then total length of metal pavement sleeve
Adhesive (Hilt RE 500 Recommended)	2 Part Fast curing adhesive
Adhesive disk for surface mount (See Page 5)	Does not require metal pavement sleeve

## INSTALLATION INSTRUCTIONS

### Flexible Marker Posts



### 1. DRILL

- A - Locate and mark surface where post(s) will be installed.
- B - Use 7/8" or 3/4" wide Carbide drill bit.
- C - Drill hole 5 3/4" deep.



### 2. CLEAN

- D - Insert air tube nozzle **TO THE BOTTOM** of drilled hole. Blow out all access dirt and debris. Using wire brush helps remove fine drill powder from hole



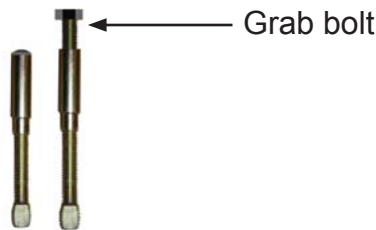
**Air Compressor**  
If Air Compressor is used, ensure long air nozzle and blast from bottom of hole up

### TIME SAVER

- E - Test depth of hole by inserting a sleeve into hole. Using an extra metal sleeve, remove plastic cap and screw in "Grab bolt" just enough to grab the top threads. If hole has been drilled to deep the sleeve can easily be removed.

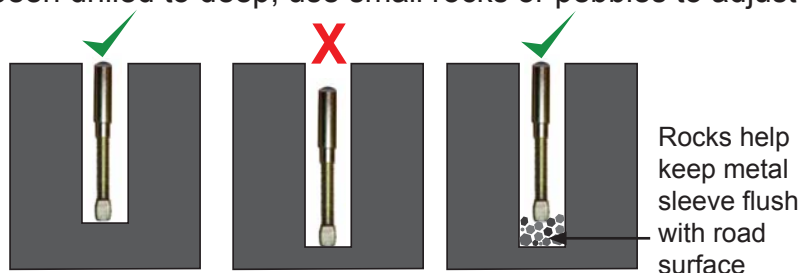
#### NOTE

If anchor hole is drilled to deep, metal sleeve will sink down into hole making it difficult to remove plastic cap and install K-71 Post



### F - IMPORTANT!!

Top of sleeve must NOT be above pavement surface!  
It is recommended that the top of sleeve be flush to 1/4" below pavement surface maximum. If hole has been drilled to deep, use small rocks or pebbles to adjust hole depth to proper height



Rocks help keep metal sleeve flush with road surface

## INSTALLATION INSTRUCTIONS Flexible Marker Posts



### 3. RESIN

G - Fill the hole approximately midway with recommended adhesive.

H - Insert sleeve into resin filled hole.

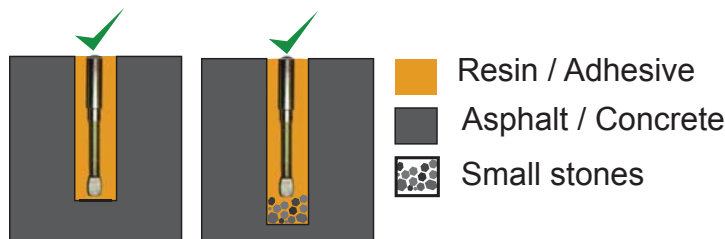
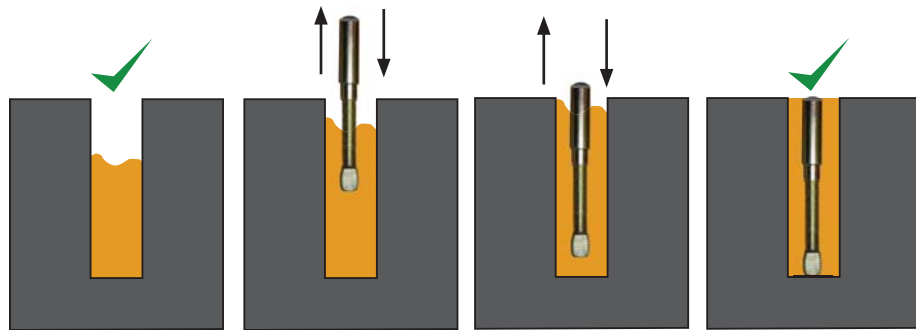
I - While inserting the sleeve, lift up 1/4 to 1/2 inch randomly, this will help spread the resin properly throughout the depth of the hole.

J - The resin should come out slightly, a sign of good filling.

K - Remove any excess resin around plastic cap, this allows easy removal of plastic cap... let cure.

ATTENTION : It will take 15 minutes to 2 hours depending on outside temperature.  
(see label on resin tube or contact US REFLECTOR for more information)

**DO NOT REMOVE PLASTIC CAP ON SLEEVE UNTIL RESIN IS CURED!**



## INSTALLATION INSTRUCTIONS

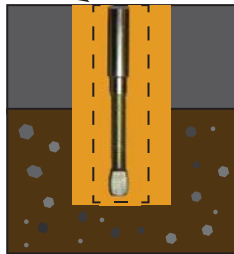
### Flexible Marker Posts

#### 4. REINFORCEMENT SCREEN (Optional)

L - Some asphalt and concrete installations have a thin layer of surface material on gravel and dirt, if this is the case we recommend using the metal reinforcement screen.

Drill a 1 inch diameter hole equal to the length of the metal pavement sleeve  
Clean and test hole as in Step 2 (Page 2) Insert metal reinforcement sleeve, fill with adhesive as per Step 3.

Metal reinforcement screen



Metal Anchor Sleeve  
Part # 4A-HDW-0926

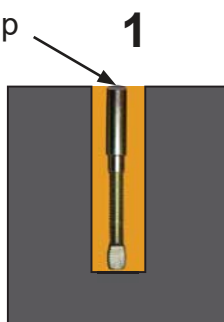


Nylon Screen  
Part # 4A-HDW-0930-SCRN-1

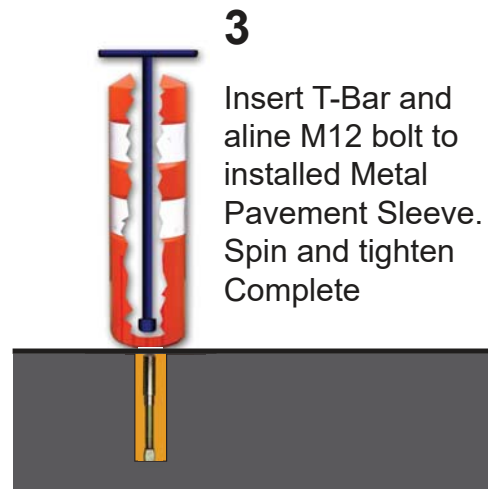
#### 5. INSTALLATION

M - Clean area of any stones, gravel or solidified resin, remove plastic cap with flat head screw driver, insert T-Bar into top of post and screw into the per-installed sleeve.

Remove plastic cap



Ensure M12 Bolt is exposed through bottom of K-71 Post



N- Post(s) can be removed and replaced at any time. For temporary removal, insert set screw or plastic cap into metal sleeve. This will stop debris from entering and clogging the hole. (A little grease may help reduce oxidation) allowing a quick installation at a later date

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### ADHESIVE DISK

Flat 10 inch disk provides temporary placement of K-71 posts with and without adhesive bonding. Base provides stability for local movement (Like a traffic cone) yet provides uniformity when used with other K-71 Posts that are anchored. Disk provide quick solutions to opening and closing access ways.

Adhesive Disk can also be glued to asphalt and or concrete as an alternative to drilling a metal anchor



### SAFE

When disk is glued to a surface, the K71 Post can be quickly removed and replaced. Using a T-Bar will remove the K-71 for vehicle and maintenance passage. Thin 1 inch disk allows vehicles to drive over safely

