

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.

TRAFFIC POST PARTS OVERVIEW



INSTALLATION TOOLS OVERVIEW



PART DESCRIPTIONS

| Ref | Description | Part Number |
|-----|---|---|
| 1 | K71 Traffic Post | 4A-0400 |
| 2 | Metal anchor sleeve (For asphalt & concrete) | 4A-HDW-0926 |
| 3 | Nylon reinforcement screen (For asphalt only) | 4A-C-HDW-0930-SCRN |
| 4 | Post cap (Optional) | 4A-0400-CAPS |
| 5 | Rubber base (Use for glue down or portable weighted) | 4A-0400-BASE-K71/K72 |
| 6 | Anti-Debris Set Screw (Protect anchor sleeve during post removal) | 4A-HDW-0935-M |
| 7 | T-Bar use for installation & removal of K71 Post | 4A-HDW-0925 |
| 8 | Wire brush for hole cleaning debris | 4A-HDW-1inch-brush |
| 9 | Air Pump gun for cleaning hole | 4A-ADH-Air-Pump-HT |
| 10 | 2 Part adhesive for bonding metal anchor sleeve | 4A-ADH-HY200R-112-1 |
| 11 | Replacement nozzle for 2-part adhesive | 4A-ADH-HY200-NOZ |
| 12 | Manual pump gun for injecting 2-part adhesive | 4A-ADH-RE500-DISPENSER With Red Cartridge |



K-71 POST

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Technical Installation Manual

INSTALLATION INSTRUCTIONS QUICK REFERENCE Flexible Marker Posts

Typical installation time

1 Man 10 Posts per Hour.

2 Men 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

ASPHALT Quick Reference Installation procedures

A - Locate and mark surface where post(s) will be installed.

B - Use 1" wide Carbide drill bit.

C - Drill hole 5 3/4" deep.

D - Remove drill debris powder by air pressure

E - Insert Nylon reinforcement screen flush to road surface

F - Fill hole with 2 part adhesive resin

G - Insert metal anchor sleeve

H - Let cure

I - Remove anchor sleeve protective cap, using T-Bar insert through top center of post and screw base plate directly into bonded anchor sleeve until secure.





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Technical Installation Manual

INSTALLATION INSTRUCTIONS QUICK REFERENCE Flexible Marker Posts

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 concrete |
| 1" Carbide bit (Only for nylon reinforcement screen) | Drill pavement (Optional) |
| 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

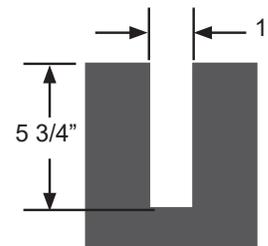
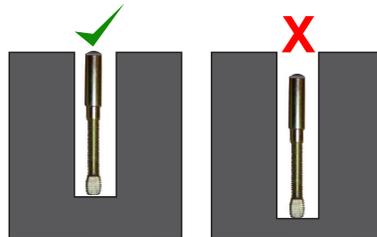
| | |
|--|--|
| Metal Pavement Sleeve | Anchor K-71 Post to asphalt / concrete |
| Reinforcement screen (See image page 4) | Use when Asphalt or concrete is thinner then total length of metal pavement sleeve |
| Adhesive (Hilti HY 200 Recommended) | 2 Part Fast curing adhesive |
| Adhesive disk for surface mount (See Page 5) | Does not require metal pavement sleeve |

ASPHALT INSTALLATION INSTRUCTIONS Flexible Marker Posts



1. DRILL

- A - Locate and mark surface where post(s) will be installed.
- B - Use 1" 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 excess 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 too deep the sleeve can easily be removed.

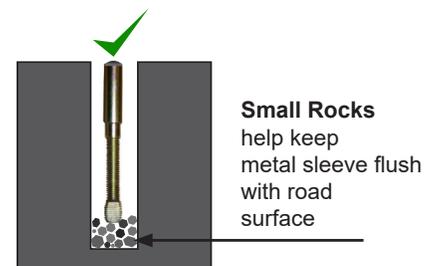


NOTE

If anchor hole is drilled too 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 too deep, use small rocks or pebbles to adjust hole depth to proper height



Small Rocks
help keep metal sleeve flush with road surface

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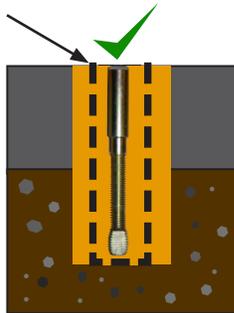


3. REINFORCEMENT SCREEN (Optional)

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.

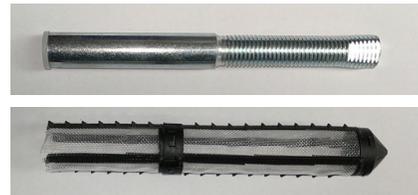
Drill a 1 inch diameter hole equal to the length of the metal pavement sleeve.

Nylon reinforcement screen



-  Resin / Adhesive
-  Asphalt / Concrete
-  Dirt / Gravel
-  Small stones

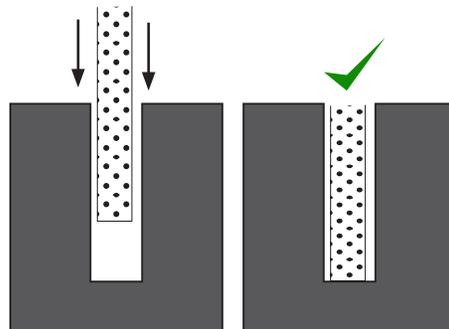
Metal Anchor Sleeve
Part # 4A-HDW-0926



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

3A. REINFORCEMENT Installation

M - Before filling with adhesive insert nylon reinforcement screen into hole until flush with pavement surface.



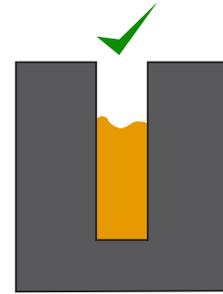
ASPHALT INSTALLATION INSTRUCTIONS Flexible Marker Posts



3B. RESIN

G - Fill the hole approximately midway with recommended adhesive.

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)
let cure.



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

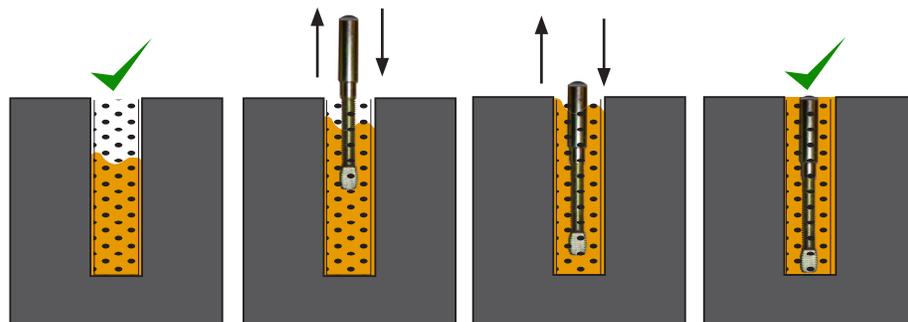
4. ANCHOR INSTALLATION

H - Insert sleeve into resin filled hole.

I - While inserting the sleeve, lift up 1 to 2 inches randomly, this will help spread the resin properly throughout the depth of the hole and improve adhesion to material.

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.



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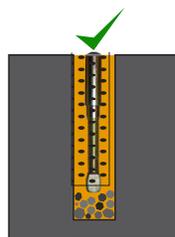
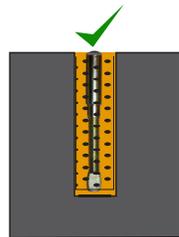
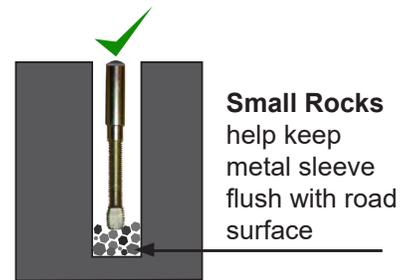


5. ANCHOR INSTALLATION HEIGHT

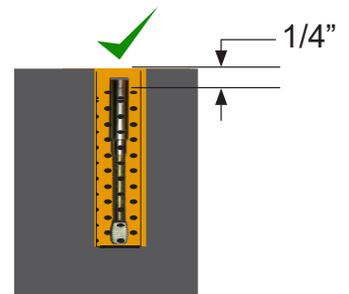


L - IMPORTANT!!

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

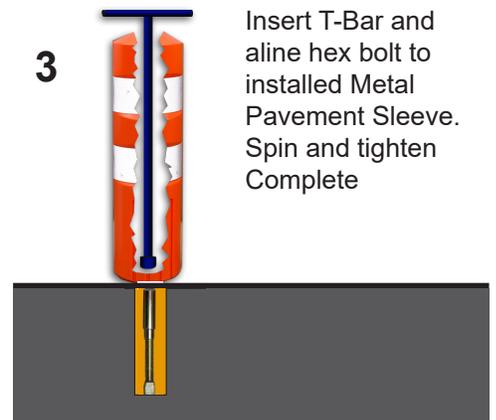


- Resin / Adhesive
- Asphalt / Concrete
- Small stones



6. K71 POST INSTALLATION

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



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.

INSTALLATION INSTRUCTIONS ADHESIVE DISK

ADHESIVE DISK

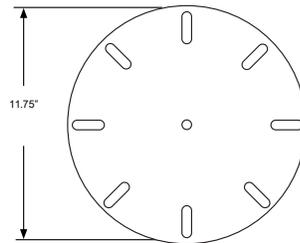
Flat 10 inch disk provides temporary placement of K-71 posts with and without adhesive bonding.

Base provides stability for manual deployment (Like a traffic cone) yet provides uniformity when used with other K-71 Posts that are anchored. Disk provides a quick solution 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



DIMENSIONS



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

