



Safe-Hit® Surface Mount Instructions for Placement on Asphalt or Concrete with Epoxy

Note: Surface Mount Pin Lock Base (SMA) shown. Procedure is the same for the Surface Mount Twist Lock Base (SMT).

TOOLS & MATERIALS

- Hammer • Base • Post
- 1/4" No. 8 Punch Pin (PN 116560)
- SAFE-HIT® Epoxy Kit (PN 603538) (one kit per base)
- Broom, Blower, or Compressed Air



SAFE-HIT® Post and SMA Base with Epoxy Kit (Nitrile gloves provided by user)



SAFE-HIT® Post



Clean area of debris with blower or broom.



Remove cap from one end of both epoxy tubes.



Use mixing stick to push epoxy into container. Thoroughly mix both parts to a solid gray consistency with no black or white streaks.



Apply epoxy evenly to bottom of base with stir stick.



Place base on ground with the arrows facing the direction of traffic (both pins will be perpendicular to traffic).



Allow the epoxy to set up, then place the post into the base and tap pins till flush with base (see note).

Note: Allow epoxy to set up for one (1) hour at 80° F (26° C) or longer if cooler before placing the post into the base. Do not apply the epoxy when the ambient temperature is below 41° F (5° C) or above 104° F (40° C). The epoxy is easiest to work with at a temperature of 80° F (26° C).



Use punch tool to seat pins into base



Completed SAFE-HIT® Post

IT IS THE RESPONSIBILITY OF THE INSTALLER TO MAINTAIN A SAFE WORK AREA INCLUDING THE USE OF STANDARD WORK ZONE SAFETY EQUIPMENT & PPE: GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION



Safe-Hit® Surface Mount Instructions for Placement on Asphalt or Concrete with Butyl Pad

Note: Surface Mount Pin Lock Base (SMA) shown. Procedure is the same for the Surface Mount Twist Lock Base (SMT).

TOOLS & MATERIALS

- Hammer • Base • Post
- 1/4" No. 8 Punch Pin (PN 116560)
- Butyl Pad, Gray or Black (PN 113844 or 113843)
- Broom, Blower, or Compressed Air



SAFE-HIT® Post



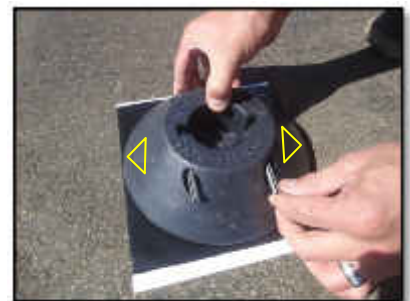
SMA Base with Butyl Pad



Sweep or blow area of debris



Peel one side of Pad.



Place base on exposed (sticky) side of Pad.



Peel other side.



Place newly exposed side with arrows oriented with the direction of traffic.



Park a vehicle wheel on top of the base for 15 seconds.



Place post in base and drive pins into place to secure post.



Complete driving the pins using a pin punch.



Completed SAFE-HIT® Post

Note: For optimal performance, the recommended minimum temperature is 50°F.

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SMA/SMT Base Placement Using Lag Shield Anchors in Asphalt or Drop-In Anchors in Concrete

RECOMMENDED TOOLS & MATERIALS

- SMA or SMT Base and Post(s)
- Lag Anchor Kit (PN 611073) or
- Drop-In Anchor Kit (PN 611071)
- Anchor setting tool (PN 117800)
- Hand Drill or Drill Press and 25/64" Drill Bit
- Rotary-Hammer Drill
- 1/4" Carbide Drill Bit or 1/4" Large Nail or Spike
- 5/8" Carbide Drill Bit for Lag Shield Anchors
- 1/2" Carbide Drill Bit for Drop-In Anchors
- 5/8" or 1/2" Stiff Bristle Tube Brush
- 9/16" Socket Wrench
- 1/4" Punch Pin
- Compressed Air with Nozzle



SAFE-HIT® Post



Lag Anchor Kit shown with SMA Base. **Arrows must orient with the direction of traffic.**



Drop-in Anchor Kit shown with SMT Base. **Arrows must orient with the direction of traffic.**



Use 25/64" drill to complete starter holes in base bottom.



OR



Use spike or 1/4" carbide drill to mark hole locations with arrows oriented in direction of traffic.

Consult OSHA respiratory standards for crystalline silica exposure.



Drill 5/8" X 2 1/2" deep for Lag Shield Anchors (asphalt) or 1/2" X 1 5/8" deep for Drop-ins.



Use appropriate brush and compressed air to clear hole.



Place Anchors in holes and tap in with hammer.



Set Drop-in Anchors with anchor setting tool.



Secure base to concrete or asphalt with socket wrench and bolts.



Place post in base and drive pins into place to secure post.



Complete driving the pins using a pin punch.



Completed SAFE-HIT® Post

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Safe-Hit® SST Sub-Surface Twist Lock Base or Safe-Hit® SLT Sub-Level Twist Lock Base

RECOMMENDED TOOLS & MATERIALS

- Rotary-Hammer Drill with 4" Diamond Core Cutting Bit
- Hammer
- Chisel / Crowbar
- Compressed Air with Nozzle
- Stiff Bristle Brush
- Safe-Hit® Epoxy Kit (PN 603538) (one kit per base)
- Post
- Base, Twist Lock, Sub-Surface SST (PN 605016) or
- Base, Twist Lock, Sub-Level SLT (PN 605015)



SST/SLT Materials



SAFE-HIT® Post

Consult OSHA respiratory standards for crystalline silica exposure



Drill 4" hole X 1 7/8" deep for SST
Drill 4" hole X 2" deep for SLT



Pry out core section.



Chisel out remaining material
from hole.



Brush and blow debris
from hole.



Thoroughly mix both epoxy
parts to a solid gray consistency
with no black or white streaks.

Refer to step by step epoxy
mixing instructions in earlier
Surface Mount Instructions for
Placement on Asphalt or
Concrete with Epoxy.

Note: Allow epoxy to set up for one
(1) hour at 80° F (26° C) or
longer if cooler before
placing the post into the
base. Do not apply the epoxy
when the ambient
temperature is below 41° F
(5° C) or above 104° F (40°
C). The epoxy is easiest to
work with at a temperature
of 80 F° (26° C).



Apply epoxy evenly to the
sides and bottom of the hole.



Place the SST Base into the
hole with arrows facing the
direction of traffic (lip is
above ground).

OR



Place the SLT Base into the
hole with arrows facing the
direction of traffic (top
surface is flush w/ground).



Place post in base and twist
1/8 turn clockwise to click
into place (see note).



Completed SAFE-HIT® Post

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