

# SAFE-HIT®

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## SMA/SMT BASE

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### INSTALLATION INSTRUCTIONS USING DROP-IN ANCHORS IN CONCRETE

The following instructions are meant to familiarize workers with the proper installation procedures of SAFE-HIT SMA or SMT Bases using Drop-In Anchors in concrete. Worker safety and the use and handling of tools and equipment are paramount and should be followed at all times. The use of personal protection devices such as eye protection and gloves is recommended at all times.

The Safe-Hit Drop-In Anchor Kit, P/N SHSMADRI-01, is packaged with enough materials to install one SMA or SMT Base and Post Assembly and will contain the following components:

**Each kit will contain the following components:**

- 2 Drop In Anchors, 3/8 x 1-9/16
- 2 Hex Head Bolts, 3/8 x 2-1/2
- 2 Lock Washers, 3/8

**The following tools are recommended for proper anchor installation:**

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|--|--|
| Gloves, Safety Glasses, Ear Protection | Tape Measure                           |
| Rotary Hammer Drill with Depth Gauge   | 1/2" Carbide Tipped Concrete Drill Bit |
| Compressed Air Source & Air Nozzle     | Hammer                                 |
| 9/16" Socket and Socket Wrench         | Stiff Bristled Brush                   |
| Anchor Setting Tool                    |  |

### INSTALLATION PROCEDURE

1. Layout holes for the anchors to be installed. The holes should be placed in line with the direction the post is to face and spaced three inches apart (The holes in the base can be used as a template).
2. Set the depth gauge on the Rotary Hammer for a drilling depth of 1-5/8". While using safety glasses, gloves and ear protection, drill the holes using the 1/2" diameter drill bit to a depth of 1-5/8 inches.
3. Blow out the holes using compressed air and air nozzle. Clean the holes with the brush and blow them out again.
4. Insert the drop in anchor into cleaned hole and tap flush with the road surface. Drive the setting tool into the anchor until the tool's shoulder is seated against the anchor.
5. Place the base over the anchors. Install the lock washer on the bolt and insert through the base into the anchor. Complete the assembly by tightening the bolt using the socket and wrench.