

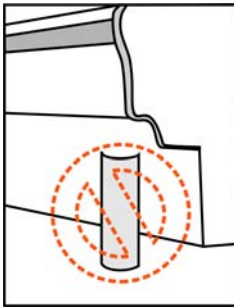
Defender SS/XT Installation Instructions

Precautions: Read this installation guide in its entirety before installing defenders. If there are any questions, call Alvarado at 909-591-8431 or 800-423-4143, Monday through Friday, 6:00 AM to 4:30PM PST.

Warning – Installers and Store Personnel: Customers can trip on case protectors and floor bumpers if installed improperly. Because of the many different types of cases and store layouts, it is not possible to provide hard and fast installation rules. It is the responsibility of the installer and store personnel to determine the correct use of case protection equipment.

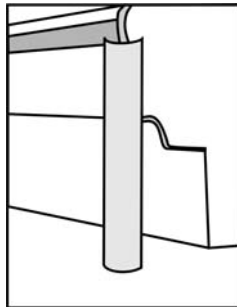
Below are general use and installation guidelines.

Don't...



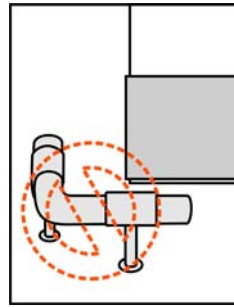
Do not use short case protectors or floor bumpers to protect cases or fixtures with recessed bases.

Do...



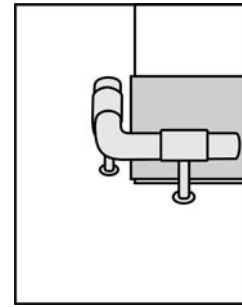
Use tall case protectors or posts, 24" or higher, to protect cases or fixtures with recessed bases.

Don't...



Do not install the case protectors or floor bumpers away from the case or fixture.

Do...



Install the case protectors or floor bumpers as close as possible to the fixture being protected.

Installation

Materials Enclosed

- Case Protector
- Sockets

Tools Required

- Hammer Drill
- 1/4" or 3/8" & 1" Concrete Drill Bits
- Tape Measure
- Pour Stone

NOTE: The following installation steps assume that no modifications have been made to the product and is ready for installation on level concrete

- 1) Place the Defender front of the corner of the fixture. Defender should be positioned to allow approximately ½” of clearance between the Defender and the fixture. Mark a circle on the floor, around the stem positions. Note: DO NOT place defenders in the way of pedestrian traffic.
- 2) Drill pilot holes with the 1/4” or 3/8” diameter drill bit at the center of each marked location. The pilot holes should be at least 3” deep. Drill 1” holes in the pilot holes. NOTE: For holes that break through the concrete, stuff plastic or paper in the hole to keep the Pour Stone from pouring out.
- 3) Using the instructions on the package, mix enough Pour Stone for no more than 6 holes at a time and pour a small amount of mix in each hole. Quickly work in the sockets in the holes, and evenly add more mix
- 4) Insert the defender into the sockets. Be sure to prop up the SS/XT Case Protector so that the defender remains straight and vertical while the Pour Stone sets. NOTE: Clean up any excess Pour Stone around the sockets before moving on to the next set of sockets.

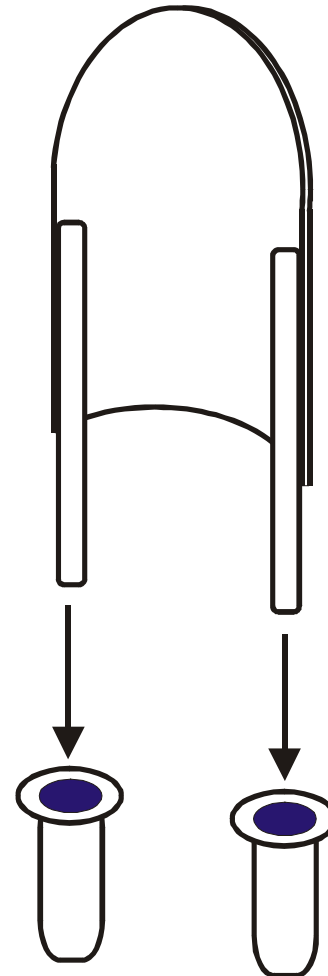


FIGURE 1

Maintenance

Clean bumpers with the correct type of cleaner for its finish:

Defender SS: Use a Stainless Steel polish or cleaner with a soft cloth. If heavy marks or scratches are apparent, use a metal blend of finish pad.

Defender XT: Use water and/or a mild detergent and clean with a soft cloth

Replace any bent or broken pieces IMMEDIATELY.

Warranty

Alvarado Manufacturing Company warrants the equipment being sold against defects in material and workmanship, for a period of one (1) year from the date of purchase providing recommended installation and maintenance procedures are followed. This warranty is void if damage was due to improper installation, maintenance or use. The manufacturer is not responsible for any shipping or labor charges incurred in the removal or replacement of defective parts.