

Atlantis Rail Concrete Mounting Base Installation Instructions

Atlantis Rail offers a Concrete Mounting Base option when installing a SunRail™ system with stainless steel posts on a concrete surface. A single concrete anchor bolt (not supplied) is used to secure the mount. The Concrete Mounting Base can be used in conjunction with an Atlantis Rail Mounting Base or Rail Adjustable Base.

The following guide will take you step-by-step through the process of installing an Atlantis Rail Concrete Mounting Base.

Dry Fitting the Railing Section

Begin by dry fitting the railing section as outlined in the SunRail™ installation instructions. The Concrete Mounting Base (Figure A) matches the profile of the Rail Mounting Base (S0950-0001) and Rail Adjustable Base (S0950-0003). When appropriately dry fitted, leveled and plumbed, mark the four (4) holes on the top of the Rail Mounting Base as outlined in the SunRail™ installation instructions (Figure B).

Marking the Center of the Concrete Mounting Base

Line up the Concrete Mounting Base with the four (4) holes you marked when dry fitting the railing section. Mark the center of the Concrete Mounting Base.

Drilling-out the Concrete

Due to the varying depths and types of concrete, Atlantis Rail does not supply bolts or anchors for fastening the Concrete Mounting Base. The fastener you use should put you as deep into the concrete as you can go without chipping or cracking the surface. A maximum of a 3/4" stud is suggested. When you have your bolts, using a hammer drill and masonry bit, drill to the depth that will allow the bolt to sink to the bottom of the hole and leave 1-1/4" to 1-1/2" of the stud above the surface. Clean the hole out using a shop vacuum or air hose. It is important to clean as much of the concrete out of the hole as possible. The cleaner the hole, the stronger the grip will be.

Installing Anchor Bolts

With the holes drilled and clean, tap the anchor bolt into the hole until it grounds out (Figure C). Use necessary anchor adhesive where required by code. Replace the Concrete Mounting Base over the stud with the flat side facing up. Place nut and washer (minimum washer diameter 1") on the stud and tighten down. Line up the four (4) holes once again to be sure your orientation is correct. Using four (4) 5/16" x 3/4" stainless steel machine screws, attach the Rail Mounting Base to the installed Concrete Mounting Base (Figure D).

ATLANTIS RAIL Contact Information

Customer Service

(800) 541-6829
(508) 732-9191

Facsimile

(508) 732-9798

Web Address

www.atlantisrail.com

Email

info@atlantisrail.com

Mailing Address

Atlantis Rail Systems
70 Armstrong Road
Plymouth, MA 02360

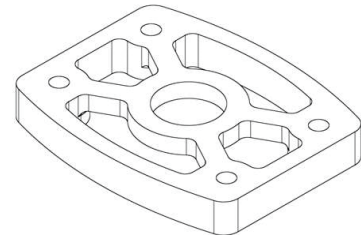


Figure A. Concrete Mounting Base (S0950-0006)

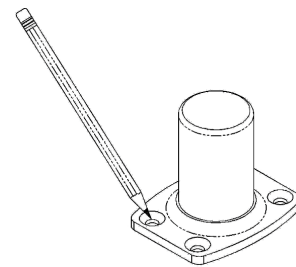


Figure B. After dry fitting, mark holes using the Rail Mounting Base (S0950-0001).

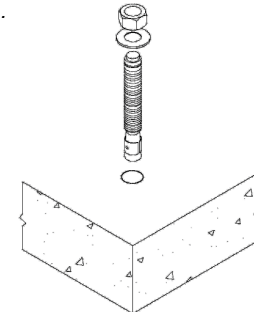


Figure C. Tap concrete anchor to bottom of hole.

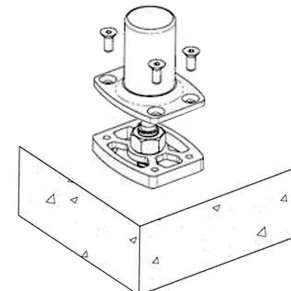


Figure D. Attach Rail Mounting Base with four (4) 5/16" x 3/4" machine screws.