



**What's Included**

- (2) 27" SataMount Rails - Unistrut Defender Series Steel 100+ year service life finish, 12 ga. 1-5/8"
- (4) ¼-20 Channel Nuts - Defender Series Finish
- (4) ¼-20x1.5" Bolts - 304 Stainless Steel
- (4) ¼" stainless steel flat washers
- (4) Black Vinyl End Caps
- (4) RCT Clamps with 3 set screws and 1 top bolt and washer each.



## Tools Needed

Screw gun with 3/16" Allen bit, flexible bit extension is helpful for shorter seams.

Ratchet with 9/16" socket

Pencil and tape measure

Micro torque wrench (that reads in/lbs.) with 3/16" Allen bit.

Appropriate Fall Protection

## SataMount Instructions

1. **Pre-Assemble the SataMount** along with your satellite mounting base before you get on the roof.
  - Position the two SataMount Rails parallel to each other and a few inches apart, with the open side of the SataMount Rails facing upwards. (Be sure to center the satellite mounting base onto the SataMount rails so the load is equally dispersed across the four RCT clamps once the assembly is installed.)
  - Set the satellite mounting base on top of the SataMount Rails and pencil mark the location of the mounting holes. Insert a



¼" channel nut into the rail and position at the bolt locations you just marked for your mounting base.

- The nuts should be positioned so the spring (if included) is down and the nut portion with the 2 grooves is facing to receive the mounting bolt in the next step. (Note: The springs are designed to hold the nut in place until the bolt begins to thread into the nut. The springs will sometimes fall off or get lost, however the nuts can still be used by holding them in place until the bolt threads are engaged into the nut.) Use the ¼" mounting hardware to securely fasten your satellite mounting base to each SataMount Rail. (The four included mounting bolts are sized for the most common applications. If your mounting base required a different length bolt, be sure to source new bolts with ¼-20 threads in a non-corrosive finish such as stainless steel.)
- Measure the on-center spacing of your roof seams to determine the mounting width of the four RCT clamps and pencil mark that width onto the SataMount Rails. Attach two RCT clamps to each SataMount Rail, one at each end located at the pencil marks and using the top bolt to hold it in loosely in place. In certain instances, it may be necessary to drill additional 5/16" holes in the SataMount Rail to properly space the RCT clamps for your seam spacing. Don't fully tighten the RCT top bolts yet. Now is a good time to back each of the 3 RCT set screws out until the screw tips are flush with the inner wall of the clamp.

2. **Ascend the roof with your fully assembled SataMount** and satellite base. Locate the most appropriate installation location for the assembly. *Important - The SataMount and satellite dishes are not designed to withstand snow loads. The SataMount assembly should be mounted within 3' of the peak of the roof OR protected by a snow retention system*



*mounted upslope.*

3. **Set the assembly across the two seams** you will be mounting to. The clamps should be as close to centered onto each seam as possible and the SataMount rails should be running horizontally across at least two seams. Use a pencil to mark the location of the four RCT clamps.



4. **Set the assembly aside and remove the four RCT clamps** and top bolts from the assembly. Install the four RCT clamps onto the seams at your pencil marks. Apply downward pressure as you torque all 12 set screws to **90 in/lbs.** (only 7.5 ft/lbs.) using a 3/16" Allen bit.



5. **Center the SataMount assembly on top of the four RCT clamps.** Insert and tighten all RCT top bolts to **90 in/lbs.** (only 7.5 ft/lbs.).

