

SataMount MRM (Screw-Down) Specification Sheet:

Part 1 General

1. SataMount MRM (Metal Roof Mount) satellite dish attachment system for screw down metal roofs.
 - a. Mechanically fastened to prefinished, painted, or galvalume metal roofs using the SataBracket Metal Roof Mount.
2. SataMount MRM is constructed of heavy-duty extruded aluminum with stainless steel and galvanized components. Unistrut Defender rails are 1-5/8" x 1-5/8" Defender finished 12-gauge steel slotted channel.
3. Satellite dish and roof accessory attachment system for screw-down metal roofs:
 - a. Mounts in the Flat portion of the metal roof panels without voiding the roof warranty.
 - b. Eight mounting holes in each bracket.
 - c. Requires 1 ½ inch flat mounting surface area.
 - d. Fits screw down R panels up to 36" wide.
4. Related Sections:
 - a. Master Format™ 2004 Section [07 41 00 - Metal Roof Panels:] [07 61 00 - Sheet Metal Roofing:]
 - b. Master Format™ 2004 Section [07 72 53.01] [07 72 53.02] - Snow Guards: Snow guards for metal roof system.
 - c. Section [____ - _____]: Roof-mounted [equipment.] [walkways.] [parapet bracing.] [solar panels.] [accessories.] [_____]
 - d. Section [____ - _____]: Roof-mounted piping.
 - e. Section [____ - _____]: Roof-mounted conduit.
5. Submittals:
 - a. For Review:
 - i. Shop drawings should include SataBracket spacing, accessory type being attached and locations of SataBrackets.
 - ii. Data sheets with description(s) of the product(s) and their installation instructions.
 - iii. SataBracket samples
 - b. For Quality Control
 - i. Provide product load testing data and test results performed on panels.
 1. Provide independent laboratory test data for product tensile load strength.
 2. Data outlining failure under load regarding the specific panel(s) proposed for the project.
6. Warranty
 - a. Lifetime Warranty
 - i. Provide warranty information from manufacturer covering against material and/or workmanship defect(s).

Part 2 Product

1. Acceptable Manufacturer

IceBlox, Inc., d.b.a.
Snoblox-Snojax

Phone:
(800) 766-5291
(717) 737-4398

Online:
www.snoblox-snojax.com
support@snojax.com

Warehouse:
671 Willow Street
Lemoyne, PA 17043

2. Substitutions – Not Permitted

Materials

Extruded 6061 – T6 Aluminum SataBracket Mounting Body.
Eight #14 Metal Roof Screws ½ to 2 inches long
27" P1000T DF Unistrut Defender finish (100+ year service life)
Defender series Spring Channel Nuts
Black Vinyl End Caps
Stainless Steel Components
3/8" threaded top-mount bolt w/ washer.
¼-20 x 1.5" bolts
¼" 304 Flat Washers

Part 3 Execution

Typical Preparation

1. Clean point of attachment prior to installation removing all loose material that could hinder performance.
2. Verify that installation will not negatively affect roof draining ability.
3. Verify that the roof is in serviceable condition and has at least ½ inch of plywood substrate.
4. Mount within 3' from the peak of the roof or protect with a snow retention system.

Installation

1. Pre-Assemble the SataMount assembly to the satellite mounting base before climbing roof.
2. The open face of the struts should point up away from roof surface when installed. Use the channel nuts to secure the mounting hardware.
3. Measure the spacing of the panels flats to determine the proper SataBracket location on the strut.
4. Ascend the roof to the installation location and put a pencil mark at the mounting location of the SataBrackets.
5. Tighten Metal Roof Screws to allow no more than 50% compression to the Neoprene Washers
6. Tighten all other mounting hardware to 90 in/lbs.