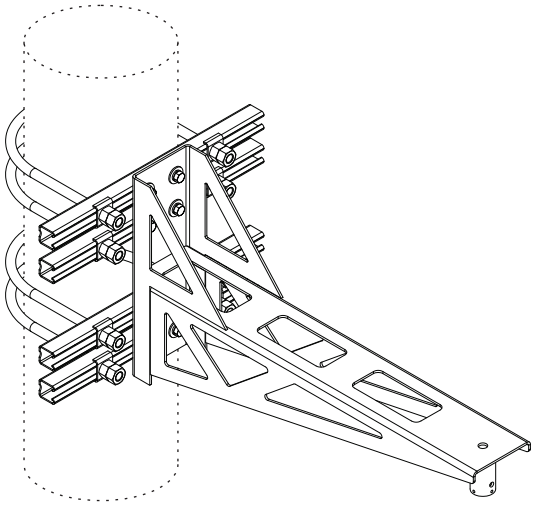
M O U N T I N G O P T I O N S

SonicAire

Dust control innovations.™

Round Column Bracket

for Vertical Mount Support



Tools necessary for installation:

3/4” Wrench or Socket + Drive
10mm Wrench or Socket + Drive
4mm Allen key
Level
Drill with 1/2” drill bit
22mm or Adjustable Wrench
1/8” Allen Key

336.712.2437 info@sonicaire.com

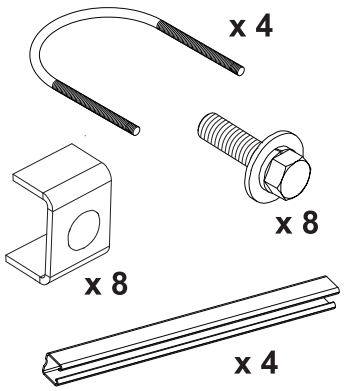
Installation Instructions

PLEASE READ AND SAVE THESE INSTRUCTIONS!

Check the Shipment

All parts needed for installation are included in your package. Please check first to make sure you have the following pieces listed. If not, contact SonicAire.

1



Column Mounting Adapter Kit

U-Bolt
with hex nuts and flat washers *(not shown)*

Saddle Washer

Hex Bolt
with lock washer, flat washer and 1/2” spring nut (*not shown*)

Uni-Strut
24” Length

Note: The column adapter brackets are **optional** accessories that are designed to be used with the SonicAire Vertical Mount Support.

⚠ WARNING

Installation and electrical wiring must be completed by qualified persons in accordance with all applicable codes and standards.

Ensure installation hardware does not penetrate walls or ceilings where electrical components or wiring could potentially be damaged.

Use this unit only in the manner intended by SonicAire.

SonicAire recommends consulting with a structural engineer prior to installation.

Round Column Bracket
Installation

Securing the Column Bracket to the Structure

(Optional Hardware Required)

1 Locate where the mount is to be installed. Reference the elevation drawings and your fan manual to ensure proper vertical and lateral clearance for the mount and fan once installed.

2 Attach the VMS assembly to the strut sections as shown in *Figure 1.*3. To secure the VMS to the strut, place a lock washer, followed by a flat washer on one of the 1/2” hex bolts.

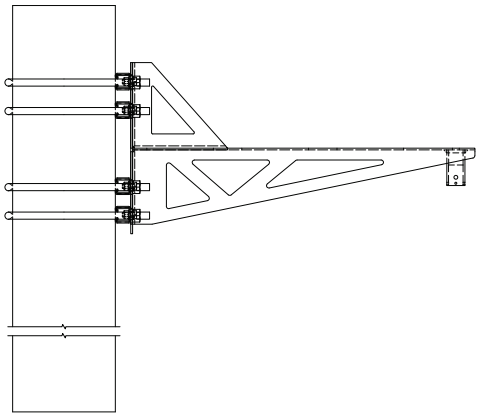


Figure 1.2

3 Insert the hex bolt through one of the (8) pre-drilled holes in the VMS from the flanged side. Install a spring nut into a strut section. The spring should push the strut nut against the rail edges of the strut. Thread the bolt into the strut nut. Ensure the strut section is spaced evenly and ensure enough strut remains on each side for U-bolt installation (step 4). Repeat this step to install the remaining (7) 1/2” bolts. Once complete, tighten and torque bolts to 50 ft-lbs.

4 Raise the VMS and strut assembly to the chosen mounting location on the column. Install a U-bolt as shown in *Figure 1.3* around the column and insert through the strut. Secure the U-bolt by installing a saddle washer onto the bolt. Ensure that the flanged edges cover the sides of the unistrut. Place a flat washer on the end of the U-bolt followed by a 3/4” hex nut. Repeat for the other end of the U-bolt. Hand tighten the hex nuts.

5 While supporting the assembly, repeat step #4 for the (3) remaining U-bolts. Use the level to ensure the VMS assembly is plumb. Once installed, torque the hex nuts in 10 ft-lb. increments, in the following sequence: *Bottom* U-bolt, *Top* U-bolt, *Lower Middle* U-bolt, and *Upper Middle* U-bolt. **You must torque the U-bolt hex nuts as specified**. Continue this process until each U-bolt hex nut has been torqued to 60 ft-lbs.

6 Once the hex bolts have been torqued, install one (1) 3/4” hex nut on each end of the *Bottom* U-bolt and tighten until secure. Use a wrench to ensure the torqued hex nut does not move during the securement. Repeat for the other (3) U-bolts.

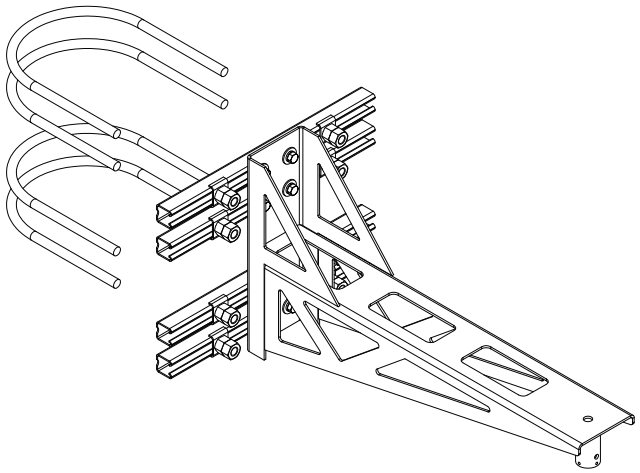


Figure 1.3