



BIO CLEAN ARS

Installation Manual



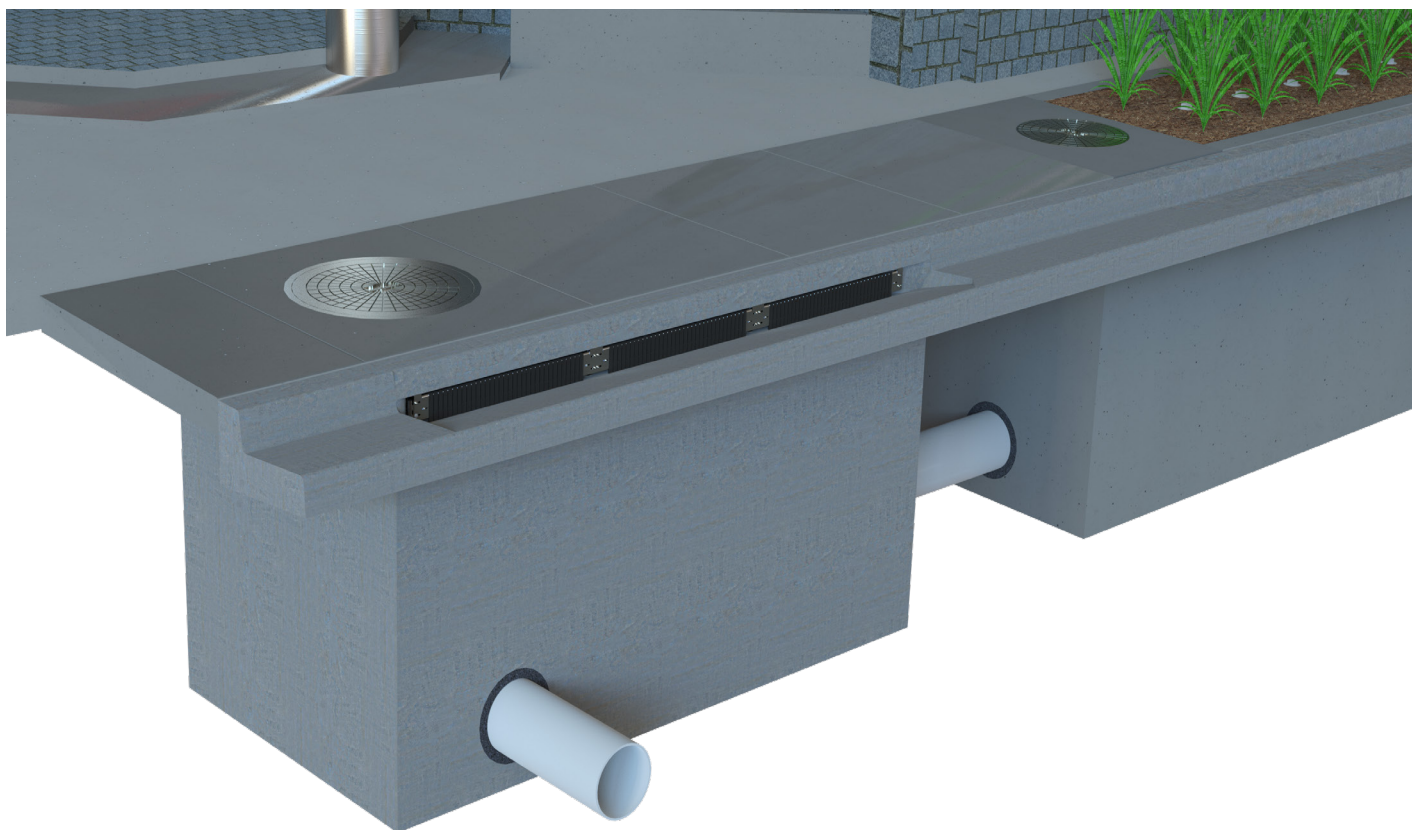
Play Setup Video



English

INTRODUCTION

Introducing the Bio Clean ARS assembly manual. In this manual, we will show you how to assemble your own Bio Clean ARS. Before beginning the assembly, make sure that there is enough room for installing and assembling your product. The contractor shall furnish all labor, equipment, materials, and incidentals required to install the ARS and appurtenances in accordance with the contract documents. Any damage to the existing drainage structure (retrofit applications) or surrounding infrastructure that may need to be repaired to allow for proper installation of the ARS shall be considered incidental and to be paid for at no cost to the client. Bio Clean does offer installation services in certain areas. Please contact Bio Clean for more information on pre-authorized 3rd party contractors that can provide install service in your area.



WARNING

The manufacturer of the Bio Clean ARS does provide a warranty against defects in materials and workmanship for a period of 5 years from the date of acceptance by the Engineer. The Bio Clean ARS also carries a 2-year warranty on installation.

PARTS & TOOLS CHECK LIST

Ensure that the following parts are included with your Bio Clean ARS. These are crucial components that will be the mainframe of your entire assembly.



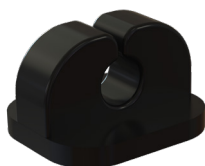
Center Hydra ARS Assembly x1



Left Hydra ARS Assembly x1



Right Hydra ARS Assembly x1



Cable Slide Member x1



Center Connector Plate x1



Aperture Connection
Spring x1



Right End Plate x1



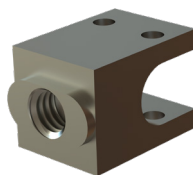
Hinged &
Adjustable End Mount x1



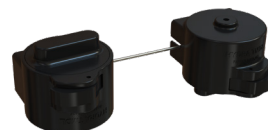
Hydra Blade
Amount Varies



Left End Plate x1



Mounting Block x1



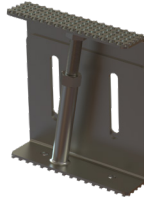
Tension Regulators
(Optional) x1

PARTS & TOOLS CHECK LIST

Ensure that the following parts are included with your Bio Clan ARS. These are crucial components that will be the mainframe of your entire assembly.



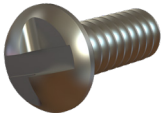
Pivot Rod Support x1



Pressure Mount x1



Spring Stud x1



**Tamper Proof Screws
(Depends on the county)**



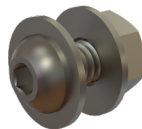
3/8" x 2 3/4" Anchors x1



.125" x 20 Bolt x1



Quick Release Pin x1



1/4" x 20 Bolt & Washer x1

PARTS & TOOLS CHECK LIST

The following tools are recommended for this installation.



Impact Drill with Socket x1



Roto Hammer x1



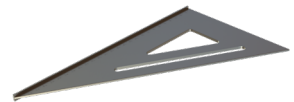
Safety Glasses x1



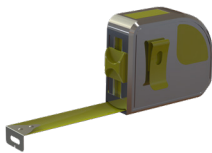
Sharpie x1



Sledge Hammer x1



Square Straight Edge x1



Tape Measure x1



Working Gloves x1



1/8" and 1/4"
Allen Key x1



Caulking Gun x1



Grinder With Cutting Disk
x1



Hand Level x1



9-16 Wrench x1

PARTS

Below is a breakdown of the core parts for your final product, as detailed below. The Bio Clean ARS comes fully assembled, and there are many configurations depending on the catch basin.

Patented Flow Control Hydrablades

The Bio Clean Blades are patented to withstand water flow and contain areas

Center Connector Plate

The center connector plate is designed to connect to various walls that best fit your basin gap.

Cable Slide Member

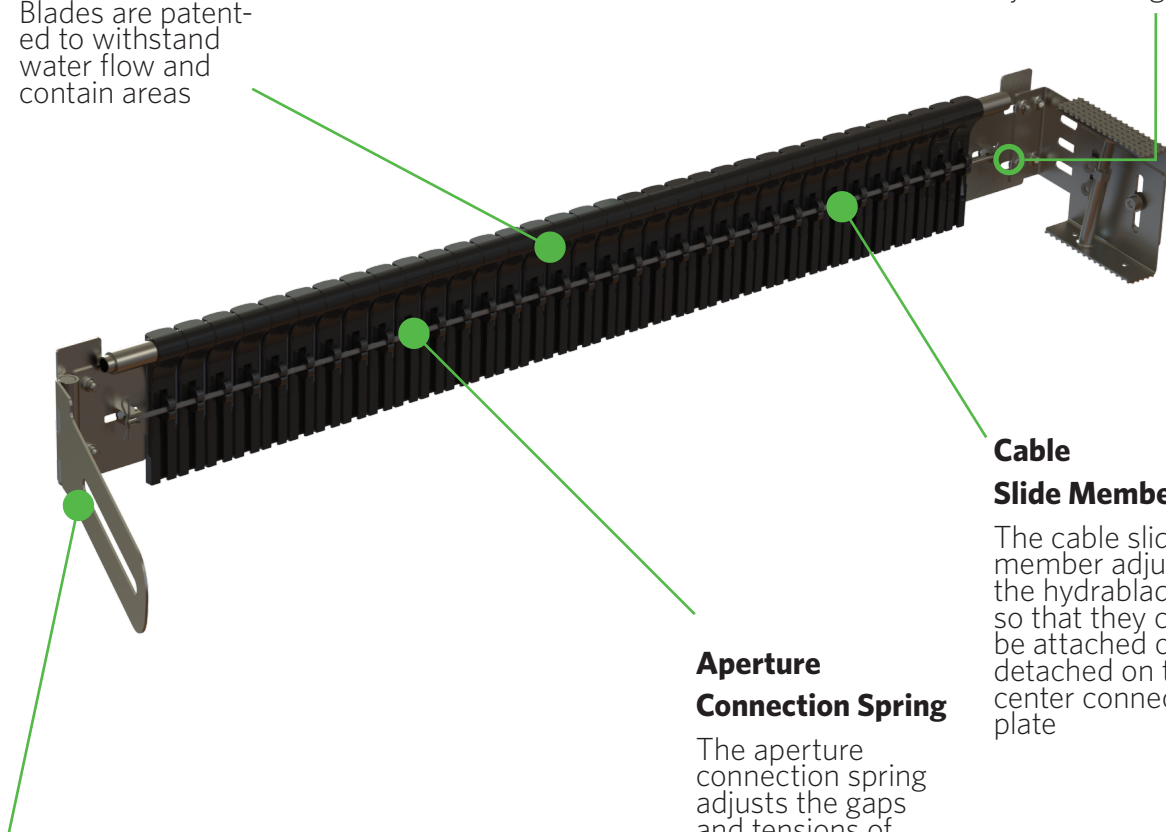
The cable slide member adjusts the hydrablades so that they can be attached or detached on the center connector plate

Aperture Connection Spring

The aperture connection spring adjusts the gaps and tensions of the hydrablades depending on your preference.

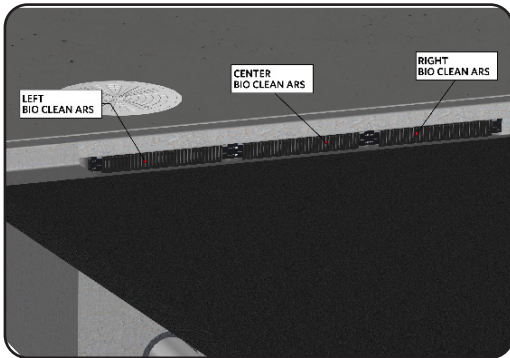
Hinge & Adjustable End Mount

The hinge and adjustable end mount will attach to the curb of the basin for easy installation with specific hardware included. Ensure that the tools mentioned in the



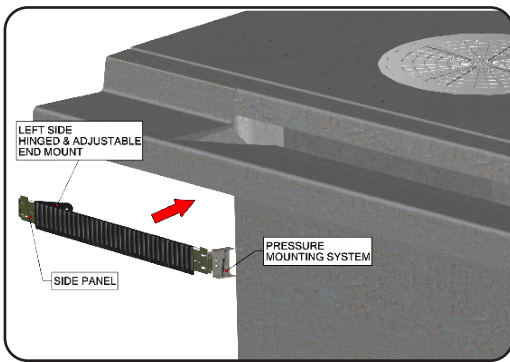
INSTRUCTIONS

Step 1 - Installing the Left Bio Clean ARS



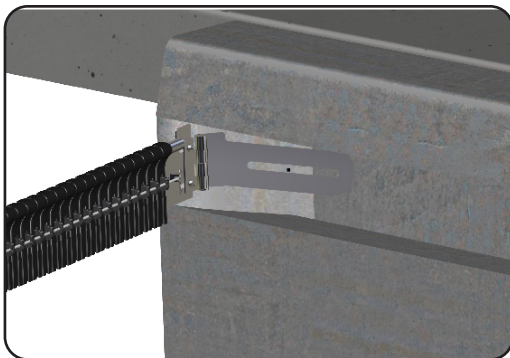
1. Verify that the Bio Clean ARS fits accordingly

Begin Step One by locating the Left, Center, and Right Bio Clean ARS panels and ensure that they fit in the basin. It is recommended that the basin be clean ahead of time before proceeding with installation of the Bio Clean ARS.



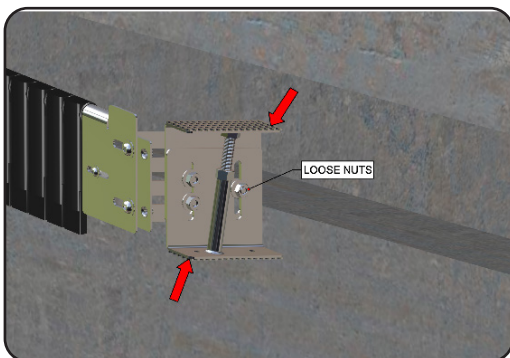
2. Align and place the Left Bio Clean ARS

Place the Left Bio Clean ARS into the left most section of the basin, as shown. The left angle can be adjusted depending on the corner of the basin. Some basins may have straight corner edges or some may have curved edges. Adjust the left side hinge accordingly to best fit the basin corner.



3. Mark the anchor bolt hole with a marker and secure the bolt

Mark the hole location of the anchor bolt, and proceed to drill into the marked area using a marker, then drill the hole using a roto hammer drill. Place the Left Bio Clean ARS unit back into position, and secure the bolt into the hole using an impact wrench with a 9/16" socket.

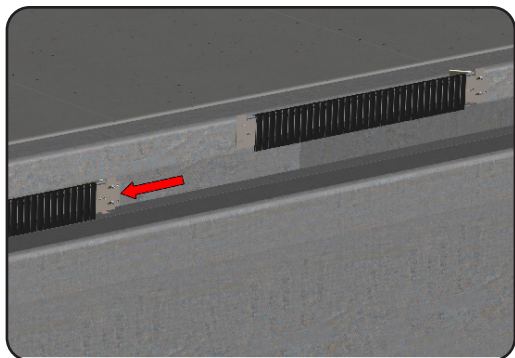


4. Install the pressure mount system

Finally, loosen the nuts on the mount system, and apply caulking to the upper and lower sections of the mount system to further secure the Left Bio Clean ARS into place. After securing the Left Bio Clean ARS into place, tighten the nuts to complete step 1.

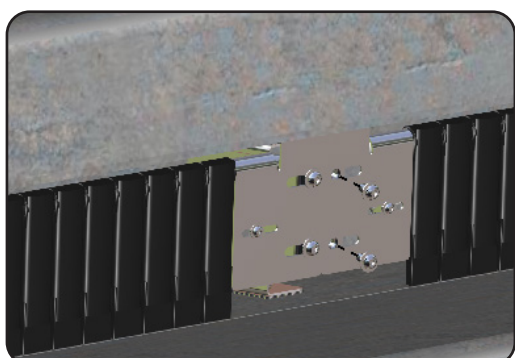
INSTRUCTIONS

Step 2 - Installing the Center Bio Clean ARS



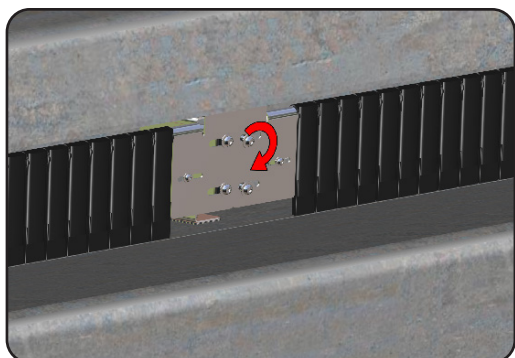
1. Locate the Center Bio Clean ARS, align, and place into position

Begin Step Two by locating the Center bio Clean ARS and aligning it to the previously installed Left Bio Clean ARS so that the center sections connect, as shown.



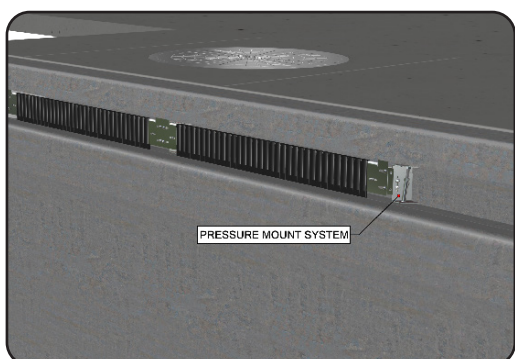
2. Secure the connection plate with the hardware provided

Secure the connection plate with the hardware provided. Depending on the county you are located in, you may need to install temper-proof screws. Please check your project drawings to verify the hardware needed.



3. Tighten the hardware using an allen key

If no temper-proof screws are needed, proceed to tighten the hardware using an allen key. Take care not to over tighten the screws.

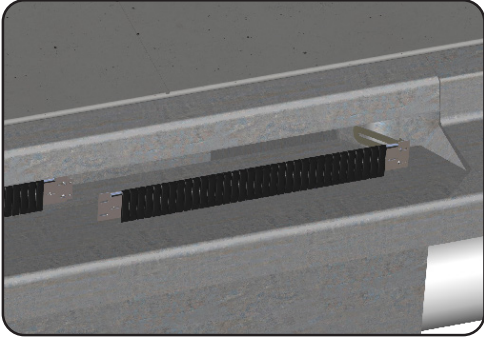


4. Install the pressure mount system

Finally, repeat the pressure mount installation methods from the previous step, and if your unit came with multiple panels, simply repeat these steps and attach them all, as needed.

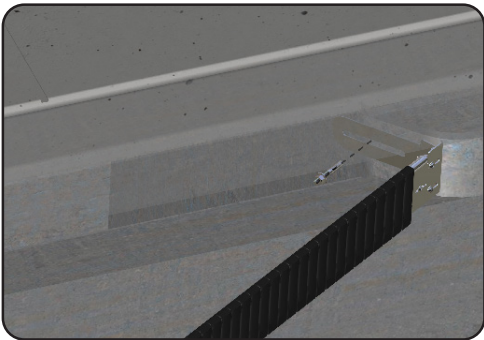
INSTRUCTIONS

Step 3 - Installing the Right Bio Clean ARS



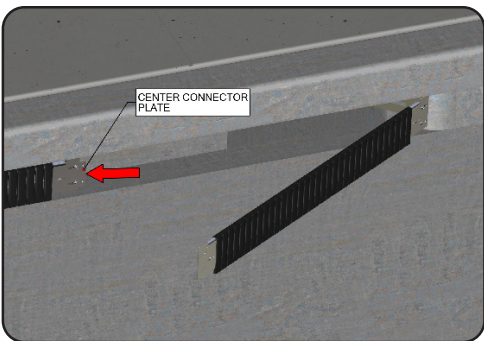
1. Locate the Right Hydra ARS, align, and place into position

Begin Step Three by locating the Right Bio Clean ARS and attach the adjustable hinge to fit accordingly to the right corner of the basin and push into place



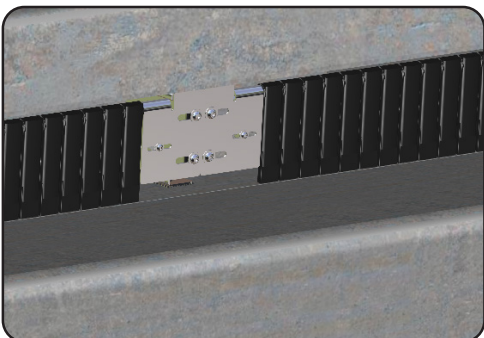
2. Mark the anchor bolt hole with a marker and secure the bolt

Mark the hole location of the anchor bolt, and proceed to drill into the marked area using a marker, then drill the hole using a roto hammer drill. Place the Right Bio Clean ARS unit back into position, and secure the bolt into the hole using an impact wrench with a 9/16" socket.



3. Install the unit to the center connector plate

Push the side plate into the connector plate and line up the holes so that they match in place.



4. Secure the unit with proper hardware

Finally, attach the proper hardware to secure the unit to the assembly, depending on the county you are in as stated in the project drawings. Installation of the Bio Clean ARS unit is complete.

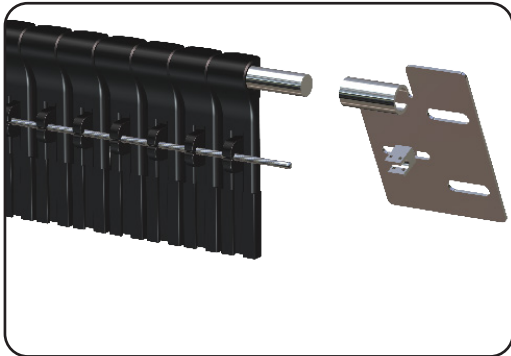
INSTRUCTIONS

Step 4 - Adjusting the Bio Clean ARS Length



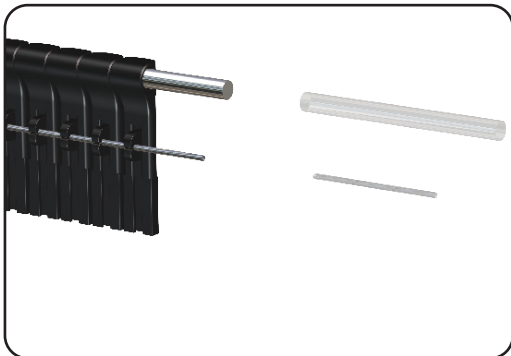
1. Locate the quick release pin on the back of the Bio Clean ARS unit

If your installation length is too long, proceed by using a measuring tape to measure the total amount of excess space that overlaps the connector plate. This measured length will serve as the cutting length. There is no need to remove the Bio Clean ARS unit. The quick release pin can be found on the back of the unit. Simply pull the quick release pin out so you can detach the excess hydrablades.



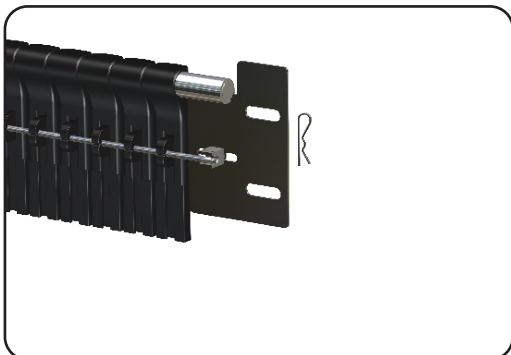
2. Slowly wiggle the center plate and remove it

Wiggle the center plate back and forth until it becomes loose enough to be easily removed. Set the center plate aside once it becomes loose enough.



3. Cut the measured length of the tension spring & aperture bar & remove the excess hydrablades

Using a grinder with a cutting disk, cut the measured length of the tension spring and remove the excess hydrablades from the unit until the amount measured is properly removed. Proceed to also cut the section of the aperture bar until the cut length has been properly removed.

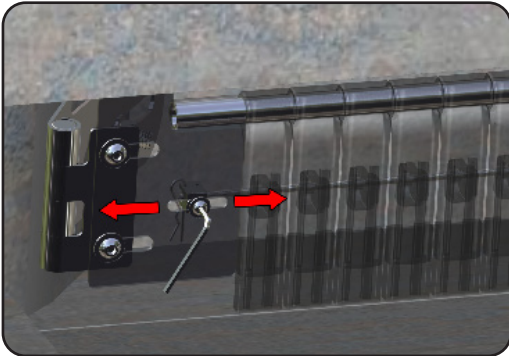


4. Retread the spring stud and reattach the center plate and quick release pin

To easily attach the spring stud onto the tension spring, use the quick release pin's midsection to twist the stud clockwise until it locks into place. Next, reattach the center plate by wiggling it back and forth until it is securely tightened. Finally, reattach the quick release pin, and verify that all blades are tightly intact and not loose.

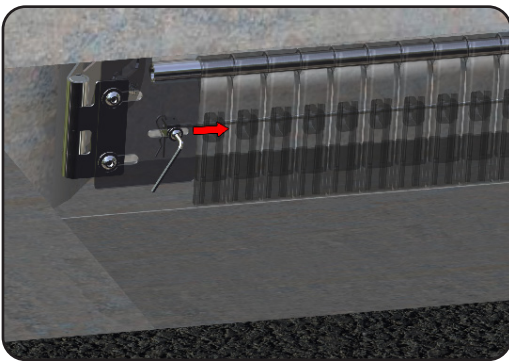
INSTRUCTIONS

Step 5 - Adjusting the Bio Clean ARS Tension



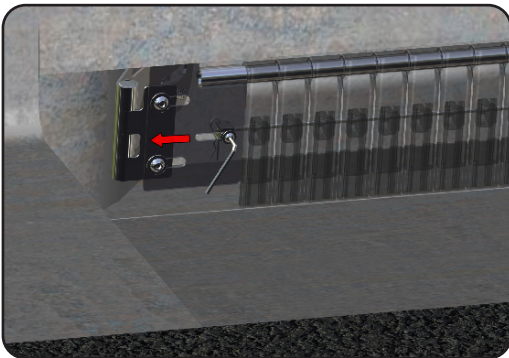
1. Loosen the lateral screw with an Allen Key and adjust tension

Locate the screw attached to the side plate with a slot that is attached to the mounting block, and loosen it using an Allen Key.



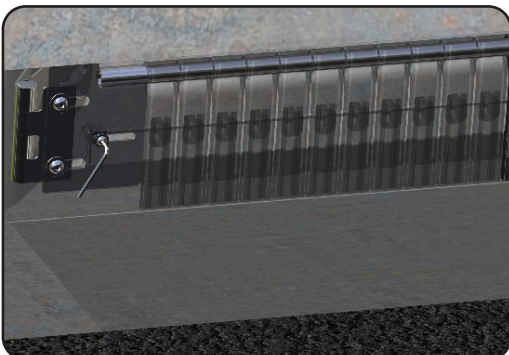
2. Loosen the tension by moving the screw to the

With the Allen Key still attached to the screw, move the screw to the right to have the tension loosened to your liking. The tension depends on the county, project drawings, or engineer recommendations.



3. Tighten the tension by moving the screw to the left

With the Allen Key still attached to the screw, move the screw to the left to have the tension tightened to your liking.



4. Secure the screw into place once adjustment is complete

Once adjustment is complete, tighten the screw using an Allen Key.

Technical support



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