

STAINLESS STEEL MICRO-MESH

Installation Guide

Recommended Tools	<ul style="list-style-type: none">▪ Tin Snips / Dremel▪ Gloves▪ Safety Glasses <p>*Optional: Circular (Chop) Saw</p>	<ul style="list-style-type: none">▪ Extension Ladder▪ Drill▪ Tape Measure
	ONLY NEEDED FOR INSTALL OPTION 2: <ul style="list-style-type: none">▪ Commercial or Wooden Brake	

Safety Is Our #1 Priority

During installation we recommend that you...

- Wear gloves and safety glasses.
- Use an extension ladder and standoff for stability.
- Make all cuts and bends to the gutter guards on the ground.

ALSO MAKE SURE TO:

- Obey local building codes.
- Check to see if your roofing material is adhered to your underlayment. Do not pry up your shingles or tear your underlayment.
- Remove any labels/stickers from the gutter guard piece as needed.

FREEZING CONDITIONS

If you live in an area that is prone to freezing, the following issues can occur with any gutter guard:

Icicles & Ice Dams

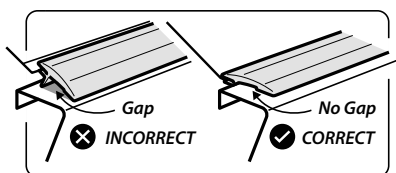
Icicles and ice dams may form on your gutter during freezing conditions. Ice dams can cause water to leak back into your home. Icicles can break and cause serious bodily harm and injury. Properly installed, operated and maintained heating elements on your roof and gutter can melt icicles and ice dams. Use a local licensed electrical contractor in good standing for installing any heating element products.

Snow Melting

Snow melt may result in water runoff from your roof which can refreeze on the ground below creating a potential slipping hazard.

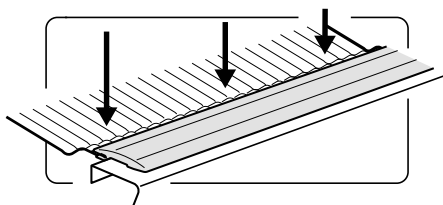
Important Reminders

MISSING THESE STEPS CAN RESULT IN RAINWATER RUNOFF.



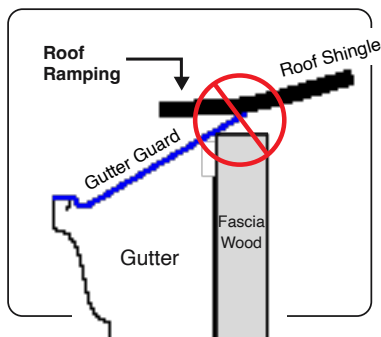
Remove The Gap

There should be no space between the front rail and the gutter lip when you install.



Create A Trough

Mesh trough should be at least 1/8" below gutter lip. Use fingers to push mesh trough down.

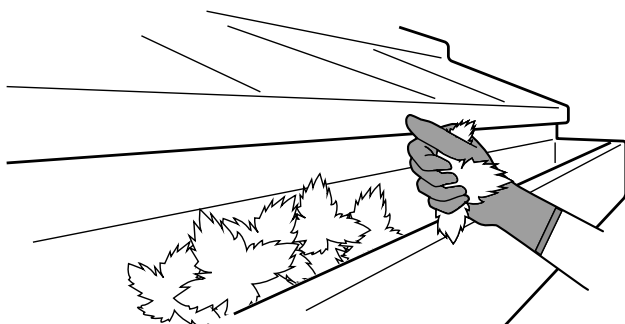


Avoid Roof Ramping

Shingles lifting upward will cause water to run over the gutter guard, instead of allowing water to flow onto and through the gutter guard.

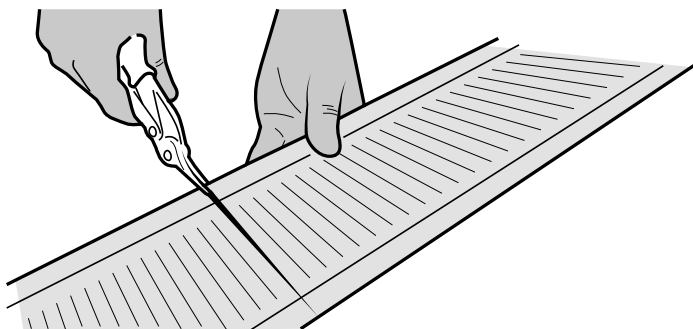
Installation: Start Here

Step 1 Clean And Repair Gutters



Step 2 Measure & Cut Gutter Guard As Needed

Use a pair of sharp tin snips to cut through the rail extrusion and stainless steel micro-mesh. When cutting the rail, it is important to use small cuts to break through the rail.



Step 3 Determine The Roof Slope

THE OPTIMUM SLOPE FOR GUTTER GUARD INSTALL IS 5-25°.

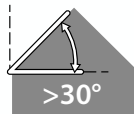
Optional install methods can be used when installing under the shingle is not an option. If the roof is steeply pitched or if you have a low hanging gutter, it is recommended to drop the slope of the gutter guard to between 5 and 10 degrees.

Option 1



Standard Roof
If your roof looks like this, continue to **OPTION 1**.

Option 2

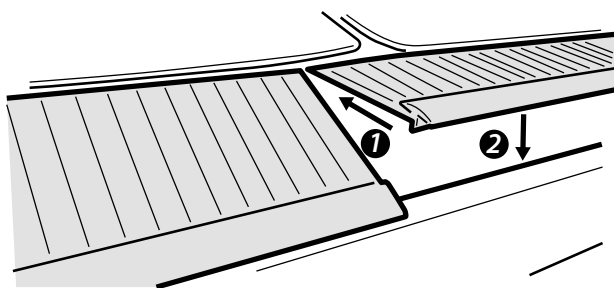


Steeply Pitched Roofs
If your roof looks like this, continue to **OPTION 2**.

Step 4 Start Laying First Section

We recommend starting at an inside corner.
If you don't have one, start at the downspout.

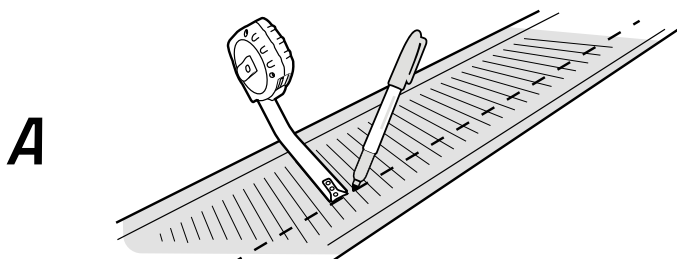
Option 1: Standard Roof Installation (Under-Shingle Method)



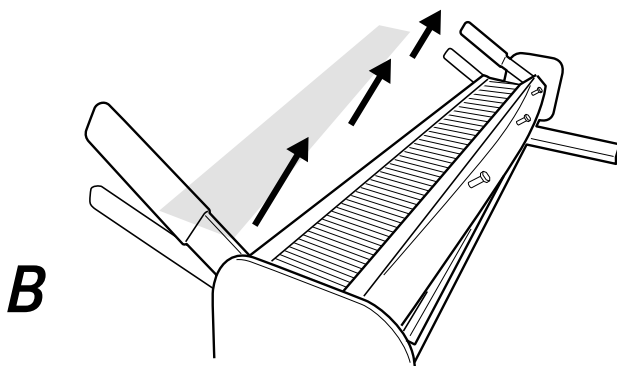
Carefully slide the rear rail of the gutter guard under the roof shingles. Continue to step 5.

IMPORTANT: If the roofing material is adhered to the underlayment, do not use this method. Use the bending method demonstrated in Option 2.

Option 2: Below-The-Roofline Installation (Bend Method)

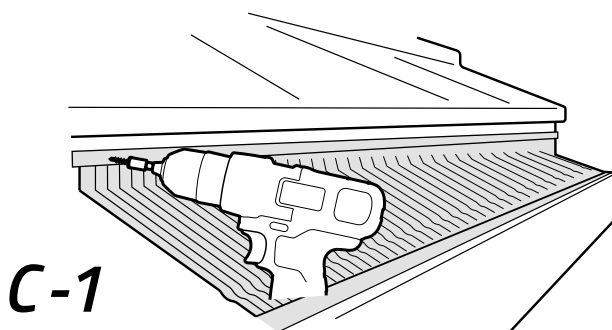


Before bending the mesh, measure and mark where the bend is needed.
The mesh may need to be bent up or down, depending on the site.

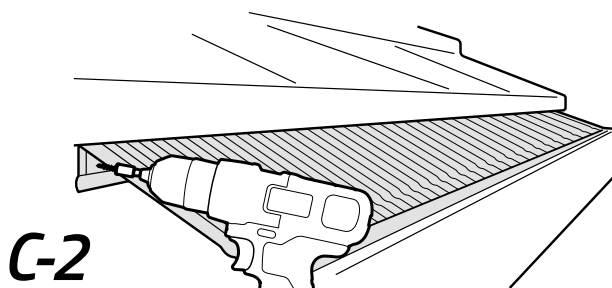


COMMERCIAL BRAKE: We recommend using a commercial brake for bending the mesh to a clean angle that works best for the site.

WOODEN BRAKE: If you do not have a commercial brake, create a wooden brake to use the leverage from the clamp and boards to bend the mesh along the line you've marked.



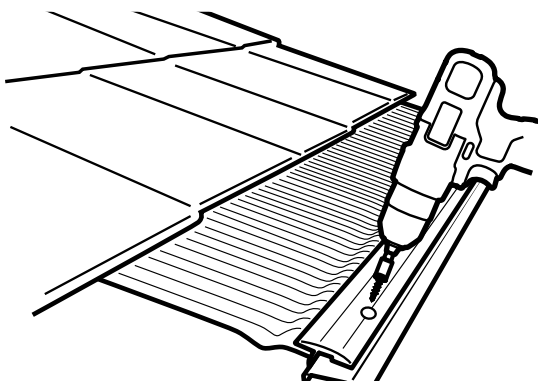
INSTALL GUARDS (Bend Up): Secure to the fascia board using 3 screws per section. Continue to step 5.



INSTALL GUARDS (Bend Down): Secure to the fascia board using 3 screws per section. Continue to step 5.

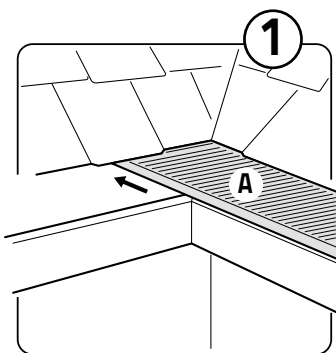
Step 5

Use Screws To Attach

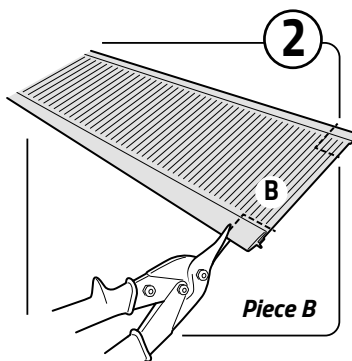


SCREW IT DOWN: Use the guides on the front rail to place the screw. Fasten with 3 screws for each section.

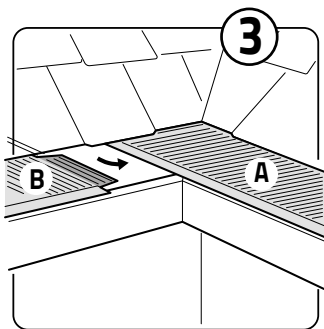
How-To: Inside Miters



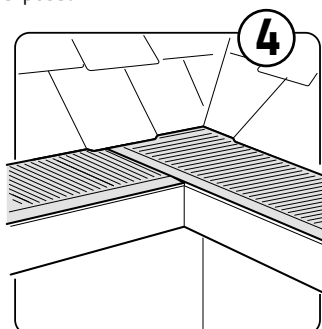
Slide piece A all the way into the inside corner of the gutter.



For piece B, trim back the aluminum rail about 1", leaving some mesh exposed.

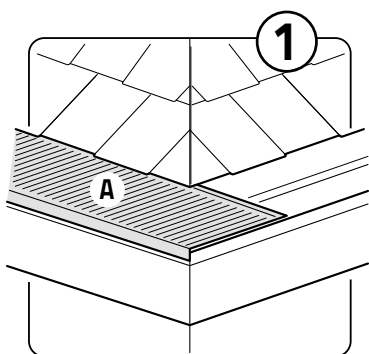


Tuck the exposed mesh of piece B down inside the gutter adjacent to the adjoining gutter guard.

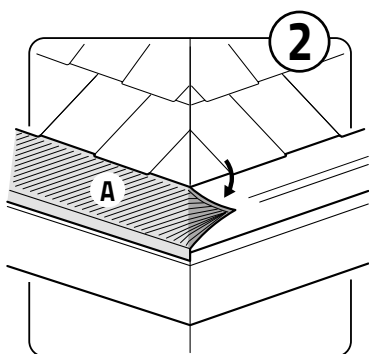


This is a completed inside corner. For heavy rain flow areas, you may need to use 14-mesh and/or add rain diverters.

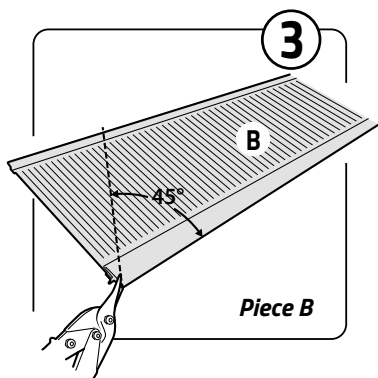
How-To: Outside Miters



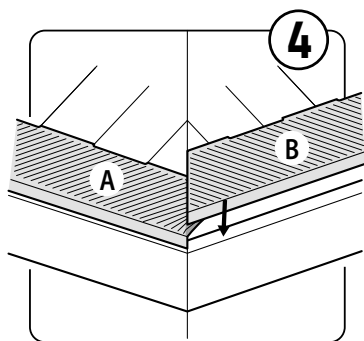
Place piece A along the outside corner.



Bend down the aluminum rail and mesh to create a 45° angle.

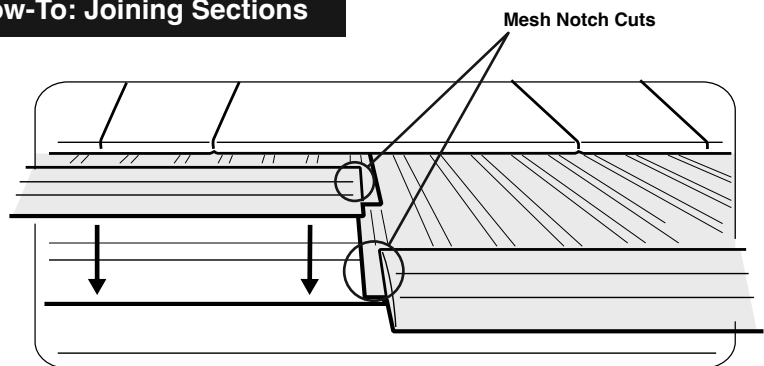


Cut piece B at a 45° angle.



Once cut, fit it into the outside edge so that it's aligned with piece A.

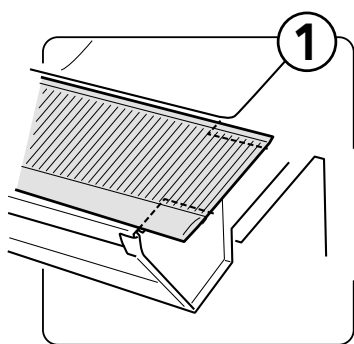
How-To: Joining Sections



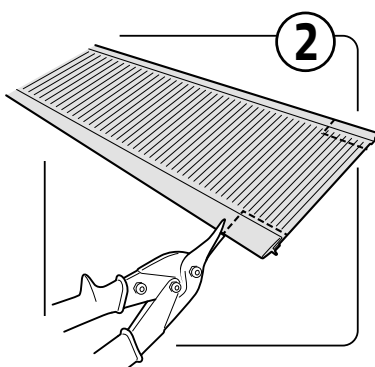
Lay one end of the mesh so it overlaps directly over the other section. For a tight connection where the front rails meet, we recommend cutting a small notch in the mesh.

Note: The rear rail has more exposed mesh than the front rail. This is intentional.

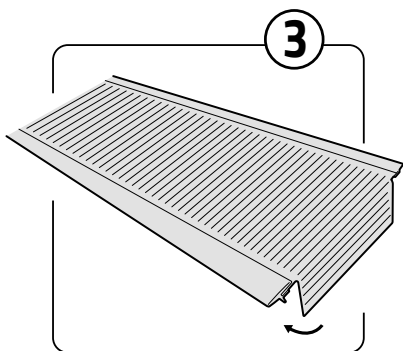
How-To: End Caps



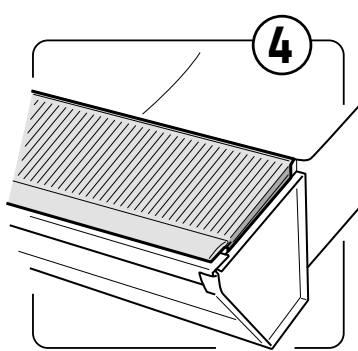
At the end of a stretch of gutter, mark on each aluminum rail where it meets the end of the gutter.



From the ground, trim back the aluminum rails where they are marked to expose the remaining mesh.



Bend and tuck the exposed mesh into the gutter. You can trim the mesh as needed to create a good covering.



Make sure the entire gutter end is sealed to prevent debris and pests from getting under the gutter guards.



Need More Help?

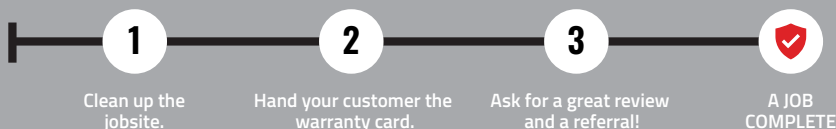
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