Hip Ridge® Vent
Installation Instructions

ROOF PITCH:
Hip Ridge Vent fits roofs with 3/12 pitch or greater.

TOOLS REQUIRED:
- Hammer
- Utility knife
- Chalk line
- Roofing nails
- Tape measure
- Circular saw

BEFORE YOU INSTALL - Install only one type of exhaust vent, remove or plug any existing vents (gable vents, roof louvers, wind turbines and power fans). Install adequate intake ventilation for a Balanced System (50% Exhaust & 50% Intake) in accordance with state and local code requirements. Intake vents must be installed low at the roof's edge or in the soffit/undereave. Products such as Air Vent's Continuous Soffit Vent, Vented Drip Edge, Undereave Vents and The Edge™ Vent provide the necessary intake ventilation for optimum performance.

IMPORTANT INSTRUCTIONS FOR CUTTING HIP RIDGE SLOTS:

Caution: The instructions for cutting hip ridge slots in no way applies to cutting peak ridge slots.

Step 1: Starting at either the midpoint of the roof or the calculated start of the necessary vent run, mark 8" up for the beginning of the lowermost (bottom) slot.

Step 2: Mark 12" from the peak/hip ridge intersection to indicate where slots will stop.

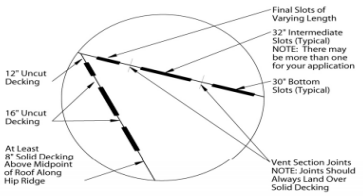
Step 3: Cut the first slot 30" long, beginning at the mark made in Step 1.

Step 4: From the end of the 30" long slot made in Step 2, mark the beginning of the first 32" long intermediate slot, leaving 16" of solid decking between the 30" long lowermost (bottom) slot and the first 32" intermediate slot. See the diagram to the side for details.

Step 5: If necessary, cut subsequent 32" intermediate slots, leaving 16" of solid decking between them.

Step 6: The final slot will be cut 16" away from the highest intermediate slot and 12" away from the peak/hip ridge intersection previously marked. If these measurements overlap, *do not cut away any decking. This final slot may be very short, but should* always accommodate 16" of decking from the intermediate slot and 12" of decking away from the peak/hip ridge intersection.

SLOT WIDTHS:
Ridge Pole Construction: 3" Truss Consruction: 1-1/2"

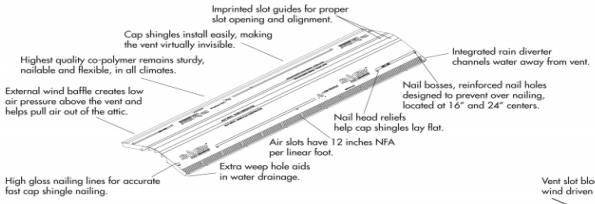


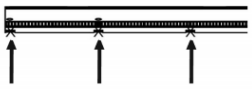
NEVER CUT SLOTS AT OR BELOW THE MIDPOINT OF THE HIP RIDGE

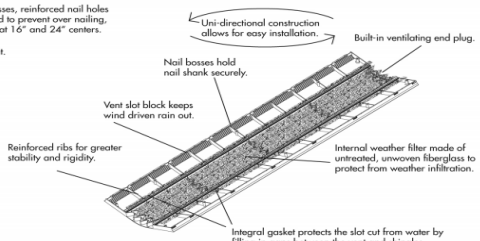
Fig. 1

Air Vent's written warranty for this product shall not apply in any instance in which the product was not installed in accordance with the instructions contained herein.

PRODUCT FEATURES:

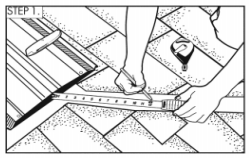




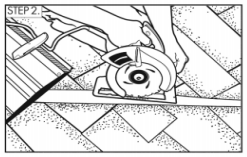


Hip Ridge® Vent
IMPORTANT NOTES FOR HIP RIDGE INSTALLATION:

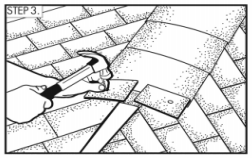
1. **Important: See instructions below for cutting slot as they differ from peak ridge installations.**
2. When applying *Hip Ridge Vent* to shakes, fold felt to seal off seams between shakes.
3. Before fastening *Hip Ridge Vent,* make sure filter is secured between shingles and vent.
4. When installing *Hip Ridge Vent* in cold weather, leave a 1/8" gap between *Hip Ridge Vent* sections to allow for expansion in hot weather.
5. For best appearance, run *Hip Ridge Vent* from ridge to eave to give the roof a more even, attractive appearance.
6. It is recommended that when used in conjunction with The Edge™ Vent for intake airflow, the *Hip Ridge Vent* should not be installed directly over it.
7. When using a nail gun to install cap shingles over *Hip Ridge Vent,* special care should be taken. It is important that the roofing nails penetrate the roof deck without compressing the vent. Nails driven too deep may dimple or distort the cap shingles. Nails not driven deep enough may allow vent fasteners to back out of the roof deck and could result in blow-offs.



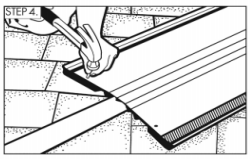
On existing roofs, remove cap shingles. After installing a peak ridge vent, mark slot width at both ends of hip ridge. Use slot guides imprinted on *Hip Ridge Vent* and refer to drawings above. Snap chalk line on both sides of hip ridge.



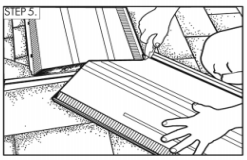
Cut slot(s) (plumb cut, if possible).
Note: Adjust depth of blade to avoid cutting rafters or trusses. Refer to Fig. 1 on front page for slot dimensions. Remove debris from slot(s).
SEE IMPORTANT WARNING ABOVE.



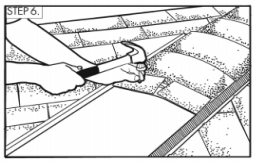
*Install cap shingles at the base of the hip ridge to be underneath the lowermost section of *Hip Ridge Vent.* This ensures the end of the run facing the eave is aesthetically finished and weather tight.



Fasten the first *Hip Ridge Vent* section closest to the edge of the roof over at least two installed cap shingles. Make sure the support ribs and gaskets are flat on the roof and the filter is secure between the shingles and the vent. Continue fastening subsequent vent sections up the hip ridge, ensuring solid decking is underneath all joints.



Use a utility knife to cut final section to length. The final section should be oriented so that the integrated end plug is pointing toward the eave of the roof and the miter cuts fit flush with the end of the peak ridge vent. Use the embossed center alignment line of the *Hip Ridge Vent* to ensure the vent lines up with the peak ridge vent by making sure they are able to touch. Fasten final section.



Nail cap shingles in place using roofing nails long enough to fully penetrate roof sheathing. Use nailing lines provided on *Hip Ridge Vent* as a guide. If using a nail gun, see note 7 under "Important Notes." If you choose to use cap shingles to transition from the top of the vent sections to the roof decking for a smooth appearance, make sure only shingle-factory manufactured cap shingles are used. Three tab shingles cut to cap shingle size should be avoided.

WARNING: The jack rafter spacing on the hip rafter is wider than the nominal jack rafter spacing, which can leave large spans of decking unsupported on certain pitch roofs. Caution should be exercised when maneuvering to cut the slot and install the *Hip Ridge Vent* if no supplementary blocking is installed beneath the slot decking.

† - Sealant is required to fill joints between shake shingles to prevent leakage. See diagram for more details.

* - A minimum of two cap shingles are required under the bottom of the lower most *Hip Ridge Vent* installed to provide a finished look.