



HOW TO SIZE THE RIDGE SLOT

The width of the ridge slot depends on the roof construction. (See illustrations below.) To ventilate your attic properly, Ridge vent should completely enclose the slot. The length of the ridge slot depends on where the ridge vent will be installed (see "Where To Install Ridge Vent") and the number of ridge vent sections needed for proper ventilation. (See "How Much Ridge Vent Is Needed?")

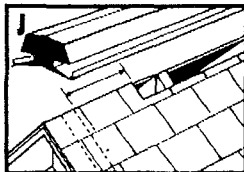
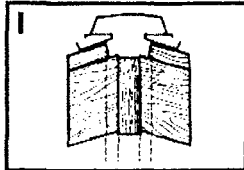
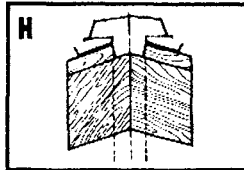
H - Truss Roof

For truss roofs, size the slot one inch wide on each side of the roof peak. The sheathing will then open a total of two inches.

I - Ridge Pole Roof

The slot on this type of roof should be wider than the ridge pole by one inch on each side.

J - NOTE: Leave at least four inches between the end walls of the house and the ridge slot, but apply Ridge vent all the way to the end of the ridge for a smooth roof line.



INSTALLING ON EXISTING ROOFS

1 Determine the location and length of ridge slot (see "Where To Install Ridge Vent" and "How To Size The Ridge Slot"). Remove cap shingles along the entire peak.

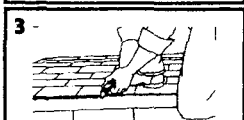
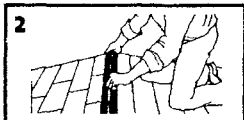
2 Snap chalk line along peak. Snap parallel chalk lines on either side of the line to mark the width of the ridge slot (see "How To Size The Ridge Slot").

3 Cut away portions of shingles between parallel chalk lines using a utility knife. Also remove underlayment in this area that covers roof sheathing. Be sure to remove any nails that lie along parallel chalk lines.

4 Use a circular saw to cut through roof sheathing between parallel chalk lines. Set the blade to cut no deeper than roof sheathing (approximately 3/4 inch).

WARNING: Do not cut trusses.

5 Remove cut portions of roof sheathing. Follow steps 2-A through 6-A under "New Roofs".



INSTALLING ON NEW ROOFS

1-A Determine the location, length and width of ridge slot prior to applying roof sheathing (see "Where To Install Ridge Vent" and "How To Size The Ridge Slot"). Set back roof sheathing to accommodate the slot and shingle up to the edge of the slot.

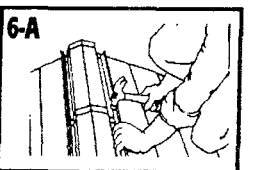
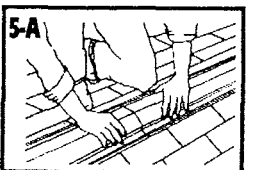
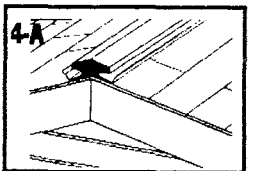
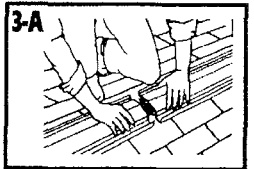
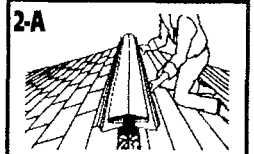
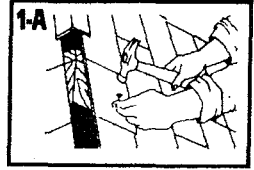
2-A Place Ridge vent sections along the entire ridge. (Do not nail, merely position the sections.) Cut the last section to desired length using tin snips or hack saw.

3-A Place a good bead of silicone caulk on the midpoint of the underside of each leg of the ridge vent. This bead should run down the entire length of the vent. Push a dual-purpose end plug/connector all the way into the Ridge vent section at each end of the ridge to serve as plugs. Where Ridge vent sections join, connect with an end plug/connector pushed halfway into each Ridge vent section. Seal the end plug/connector at the end of the roof with silicone caulking.

4-A Align the first Ridge vent section carefully over the ridge slot. Ridge vent should extend beyond the slot to the end of the ridge. (See NOTE: under "How To Size The Ridge Slot".)

5-A Butt the next Ridge vent section tightly against previous section. Align carefully over ridge slot.

6-A Repeat Step 5 until entire ridge is covered and aligned. Center a strap over each end plug/connector (where two pieces of Ridge vent join and at ends of ridge). In areas of high winds and severe weather, add straps at the midpoints of each Ridge vent section for extra stability. Nail into place through pre-punched nail holes in straps. Go back and nail Ridge vent using nails spaced 6 inches on center. Pre-punched nail holes on 12 inch centers are provided to make spacing easy. Caulk corner between the vent and roof for a good water seal, making sure caulking does not clog water drain holes in vent. Seal all exposed nail heads.



Quality you Can Trust Since 1886 ... from North America's Largest Roofing Manufacturer

LL Building Products, Inc. - 4501 Circle 75 Parkway - Suite C3250 - Atlanta, GA 30339

www.gaf.com

or call: 1 800 211 9612

And Ventilation



10 FOOT ALUMINUM RIDGE VENT INSTALLATION INSTRUCTIONS

Dade County Approval # 99-0422.04

TOOLS REQUIRED

- Pencil
- Tape Measure
- Chalk Line
- Utility Knife
- Hammer
- Circular Saw
- Extension Cord
- Tin Snips or Hacksaw

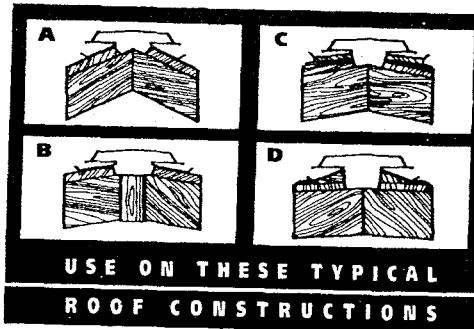
Use 11 gauge aluminum Screw Grip siding nails, aluminum ring shank nails, or similar aluminum nails when installing Ridge Vent. Caulking under the ridge vent is recommended for all installations and is required in areas that may be subject to high winds and severe weather. Choose a high grade elastic compound that will not harden.

IMPORTANT ATTIC VENTILATION TIPS

- Be sure undereave vents are never blocked by insulation. Undereave vents provide intake ventilation, and adequate intake is needed to prevent backdrafts and to assure proper effectiveness of the ridge vent (exhaust) system.
- Close off garage ceiling areas that open into ventilated attic space.
- Ventilate air exhausted from home appliances (dryers, range hoods, bathroom fans, etc.) to the outside of the house, not into the attic area.
- Separate multi-level attic areas and ventilate individually.

HOW MUCH RIDGE VENT IS NEEDED?

Every foot of ridge vent provides 21.5 square inches of net free ventilating area (open space through which ventilation occurs). Current housing industry standards require 1 square foot of net free ventilating area per 300 square feet of attic area. (2 square foot of net free ventilating area per 300 square feet of attic area if home has a vapor barrier, which is usually used in colder climates.) Half the net free ventilating area should come from ridge vents, the other half from undereave vents. Because ridge vent is aerodynamically designed to create a negative pressure at the peak, it is always an exhaust vent. In order to provide air flow along the entire underside of the roof, an equal amount of air intake is necessary from undereave ventilation. For maximum efficiency and to assure that your roof line appears smooth and attractive, apply ridge vent along the entire ridge, and run continuous undereave ventilation under both eaves parallel to the ridge. (ILLUSTRATION 1).



A - Asphalt Shingles, Truss Construction

Using the simple to follow instructions provided, truss roofs require no additional preparation.

B - Cedar Shingles

On cedar shingle roofs, ridge vent is nailed to the finishing shingles

C - Asphalt Shingles, Ridge Pole Construction

Using the simple to follow instructions provided, ridge pole roofs require no additional preparation.

D - Low Pitch Roof/High Pitch Roof

Ridge vent achieves efficient air circulation on roofs with pitches of 3/12 through 12/12. On higher pitched roofs, be sure louvers are horizontal upon installation.

WHERE TO INSTALL RIDGE VENT

E - Chimney Roofs

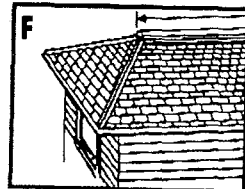
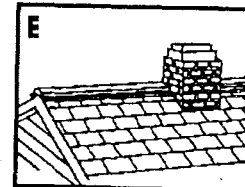
On roofs with chimneys on the ridge, end the ridge slot 12 inches from either side of the chimney, but apply ridge vent as close as possible to the chimney for a visually appealing roof line.

F - Hip Roofs

Install Ridge vent on the horizontal roof ridge only, not on the hip sections. End the ridge slot 12 inches from each end of the ridge (to provide a base for the end plug/connectors and to assure no leakage). Install ridge vent all the way to the end of the ridge for an attractive roof line.

G - "T" and "L" Roofs

Install Ridge vent in a continuous run on both the long roof ridge and along the shorter ridges. Install the sections separately and leave 12 inches between roof intersections and each ridge slot. For a smooth looking roof line, butt ridge vent sections as close together as possible at intersections so that they "appear" to connect.



Quality you Can Trust Since 1886 ... from North America's Largest Roofing Manufacturer

LL Building Products, Inc. - 4501 Circle 75 Parkway - Suite C3250 - Atlanta, GA 30339

www.gaf.com

or call: 1 800 211 9612

And Ventilation