

SMARTBAFFLE

BY DCI



The Bigger Better Insulation Baffle



- Strongest & Smartest Insulation Baffle
- Perfect with Spray Foam or Fiberglass
 - Ventilates Entire Rafter Bay Width
 - Installs From Rooftop or Attic Area
 - Will Not Crush, Tear or Break

1-800-622-4455
WWW.DCIPRODUCTS.COM



SmartBaffle by DCI

(Rigid Insulation Baffle)

Description: The **SmartBaffle** is designed to fit snugly between 16" & 24" on center rafters. **SmartBaffle 16** is 18.5"W x 36"L x 1/8" (thick), **SmartBaffle 24** is 26.5"W x 36"L x 1/8" (thick) corrugated plastic with double bending routes at 2" in from each long edge. Each piece can be cut in half (18") for double coverage at the eave. **SmartBaffle** is designed for use with any insulation material. **SmartBaffle** will support spray foam, loose fill, and fiberglass insulation materials.

SmartBaffle is also designed for rugged, unbreakable use and handling. **SmartBaffle** is constructed of non-collapsing material with lifetime durability. Ease of installation by the contractor is achieved by the design, engineering and technology inherent in the baffle product itself. There are many ways to secure the **SmartBaffle** but the universal method is to use an 8D nail at the center of each side when installed against the roof decking. The nails are placed tight against the **SmartBaffle**, against the lower outer surface and pressure 'tacked' in place securely, only driving the nail enough to hold the **SmartBaffle** in place. Continue until the desired amount of **SmartBaffle** is installed and then follow up installing the insulation. Insulation should fit loosely in the remaining rafter space to gain the maximum 'R' value (winter) and 'U' value (summer).

SmartBaffle is designed to allow 2" of air flow between rafters. Wider or narrower rafter spaces can be accomplished by following the directions enclosed with the product. Insulation eave protection can be achieved by cutting up from the side flange and bending the chute down at a vertical angle to fit tight against the top wall plate. Nail the side flange to hold in place.

SmartBaffle 16 & 24 Specifications:

MODEL NUMBER:	(SB16) SmartBaffle 16 used for 16" rafter spacing (SB24) SmartBaffle 24 used for 24" rafter spacing
PRODUCT DIMENSIONS:	(SB16) 18.5" Wide x 36" Long x 1/8" Thick (SB24) 26.5" Wide x 36" Long x 1/8" Thick
MINIMUM ORDER:	1 Box (SB16 - 36 Pieces, SB24 - 30 Pieces)
TERMS:	Net 30
TOTAL BOX QUANTITY:	SmartBaffle 16 - 36 Pieces, SmartBaffle 24 - 30 Pieces
TOTAL SKID QUANTITY:	SB 16 - 20 Boxes or 720 Pieces, SB24 - 24 Boxes or 720 Pieces
TOTAL BOX WEIGHT:	(SB16) - 32 lbs. per box • (SB24) - 38 lbs. per box
INDIVIDUAL BOX DIMENSIONS:	(SB16) 7" High x 19" Wide x 38" Long (SB24) 6" High x 27" Wide x 38" Long
PALLET WEIGHTS & SIZES:	SB16 - 640 lbs. (Plus Skid) 38" Long x 38" Wide x 72" High SB24 - 912 lbs. (Plus Skid) 54" Long x 38" Wide x 72" High
INCLUDED ITEMS:	Installation Instructions
RETURN POLICY:	30 DAYS UNCONDITIONAL MONEY BACK GUARANTEE. Unopened boxed products can be returned to stock within 30 days of purchase. Call first for approval. That which cannot be restocked is to be returned to DCI Products with invoice and reason for return. Upon receipt of those items DCI may replace or refund the amount of the returned merchandise after DCI approval. Only full cartons of each product may be returned in the original box tightly sealed to our location at customer's expense.
DCI Products Inc 415 S. Penn Street Clifton Heights, PA 19018 Phone: 1-800-622-4455 Fax: 1-888-356-3291 www.dciproducts.com	

SmartBaffle by DCI

Installation instructions for SmartBaffle 16 & SmartBaffle 24

(SmartBaffle is available for 16" or 24" rafter spaces, respectively)

It is important to follow each step within these instructions for proper installation of the SmartBaffle product. If you need assistance with this product installation, please call DCI Products Monday through Friday 8am- 5 pm est. Our number is 610-622-4455 or contact us via email info@dciproducts.com

Use no less than 1/2" Staples, 1" Screws or 1-1/4" Roofing Nails to attach baffles to side rafters. Additional fasteners (6 per side) should be used when applying spray foam to the SmartBaffles



1. Preparation and Baffle Insertion:

- **Bend the side flanges:** For both the SmartBaffle 16 and SmartBaffle 24, bend the 2" side flanges up or down (see choices for installation) with the routed grooves facing the insulation.
- **Insert the flanges:** Insert the flanges into the rafter space with your desired choice of installation (see direction pictures #1 to #5), as you install the baffle, ensure the baffle width between rafters is horizontal (parallel) to the roof deck.
- The flanges create a 2-inch air gap between the roof deck and the lower panel of the SmartBaffle. Note: You can choose optional air gap spacing between the baffle and roof deck by having both flanges down allowing for larger or smaller air gaps. **NOTE:** The minimum ICC building code requires a 1" air gap or greater.

2. Positioning the SmartBaffle:

- **Slide the baffle into place:** Start by moving the SmartBaffle towards the fascia board, leaving about 3 inches of space from the inner side of the fascia board. This will allow proper airflow up from the soffit. Secure the baffles in place as required. Note: Wind blocker installation can be an option at the rafter heel. Visit www.SmartBaffle.com for details.
- **Using SmartBaffle with SmartVent (optional):** If using SmartVent intake ventilation, you can be sure the SmartBaffle will work well with any air intake ventilation system.

3. Securing the SmartBaffle:

- **Fasten the baffle:** Secure the SmartBaffle by driving at least 3 fasteners per side flange into place. These fasteners should be placed either from the rooftop or from the attic area. One centered on the flanges and one at each end of each flange. Six fasteners per baffle.
- **8d nail method:** Alternatively, use small 8d nails to pressure fasten the baffle at the middle and each end of each side of the SmartBaffle (3 per side), ensuring that the flanges remain tight to the roof deck and at a slight angle. (See figure #5)

4. Adjusting SmartBaffle Size:

- **For narrow rafter spaces (16" or 24"):**
 - Cut the SmartBaffle to fit narrower rafter spaces. Cut approximately 4 inches wider (2"+2") than the rafter space width baffle bottom surface to create the 2" flanges (note: use the factory 2" flange as the one side flange and only cut the opposite edge of the baffle 2" wider). Score halfway through the baffle material to create a new flange.
 - **Flange creation:** To create a baffle flange, cut halfway through a 2-inch mark along the baffle long edge and bend it down to form a flange ensuring the distance between bends is slightly less than the rafter spacing (1/2" less).
- **For creating larger baffles:**
 - To fit larger rafter spaces, you can combine two SmartBaffles (e.g., SmartBaffle 16 or SmartBaffle 24) by screwing them together using 3/4" Phillips head self-tapping screws, with at least 8 screws (4 screws per row), ensuring a 4-inch allowance (2" per flange) for the side flanges. Space between flange routes should be 1/2" less than the rafter width. This creates a wider SmartBaffle.

5. Installation to Create an Air Channel:

- **Ensure airflow is continuous:** Install SmartBaffles to ensure there's a clear, continuous air channel between the soffit intake vent and the ridge or roof exhaust vent. This helps maintain ventilation and keeps the space between the baffles free from obstruction. Refer to the installation methods 1 to 5.
- **Overlap method:** For multiple baffles installed in one rafter bay, you can butt the baffles together (recommended), or you can overlap them by 1" or leave a 1/4" gap between them. For spray foam insulation, it's crucial that the baffles are tightly butted together with duct tape over the butted seams or overlapped by 1" to prevent foam from penetrating the air chute.

6. Final Considerations:

- **Avoid insulation blockage:** Be mindful that the 2" air gap between the roof deck and SmartBaffle remains clear of insulation. Blockage in this space can restrict airflow and reduce ventilation.
- **Cutting and fitting:** If needed, use a utility knife to cut and fit the SmartBaffle to match your specific rafter space. For smaller adjustments, use the techniques described in steps 3 and 4.

Need Assistance? For help with installation or troubleshooting, contact DCI Products' customer support:

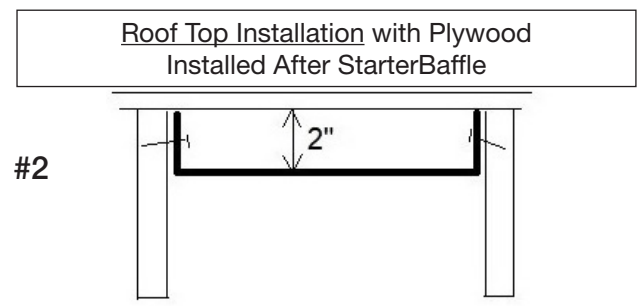
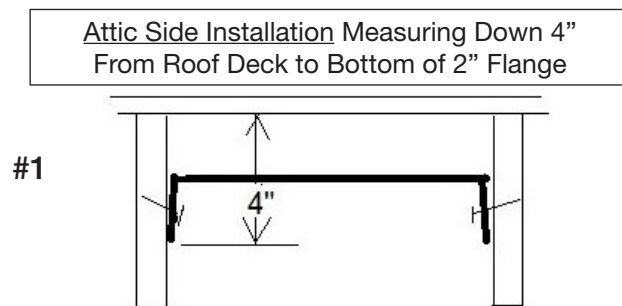
Phone: 610-622-4455 (Monday through Friday, 8 AM – 5 PM EST) **Email:** info@dciproducts.com

Some helpful information can be found at: www.smartbaffle.com

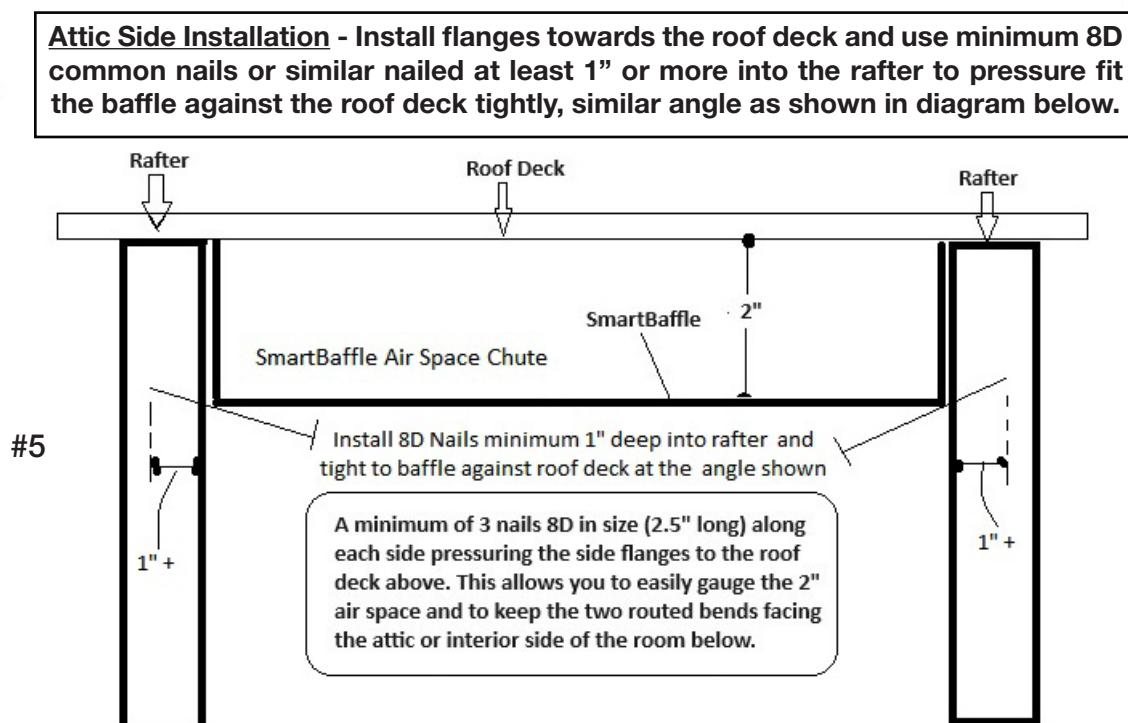
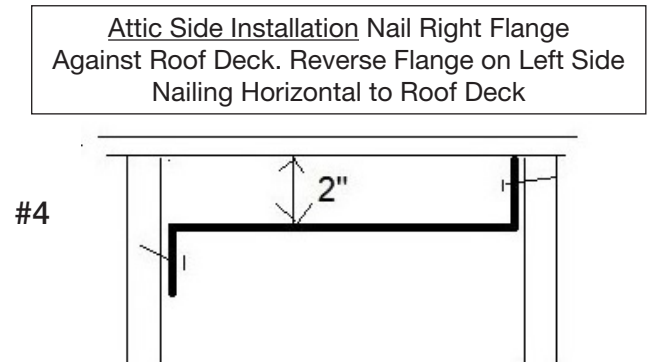
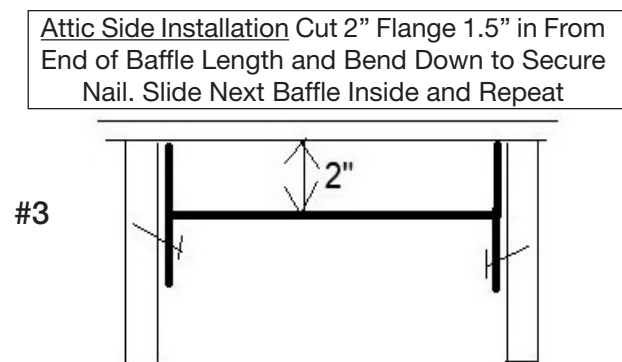
SmartBaffle by DCI

Installation instructions for SmartBaffle 16 & SmartBaffle 24

Use 1/2" Staples, or 1" Screws or 1 1/4" Roofing Nails to attach baffles to side rafters.



Use a minimum of 3 fasteners per side flange to attach.

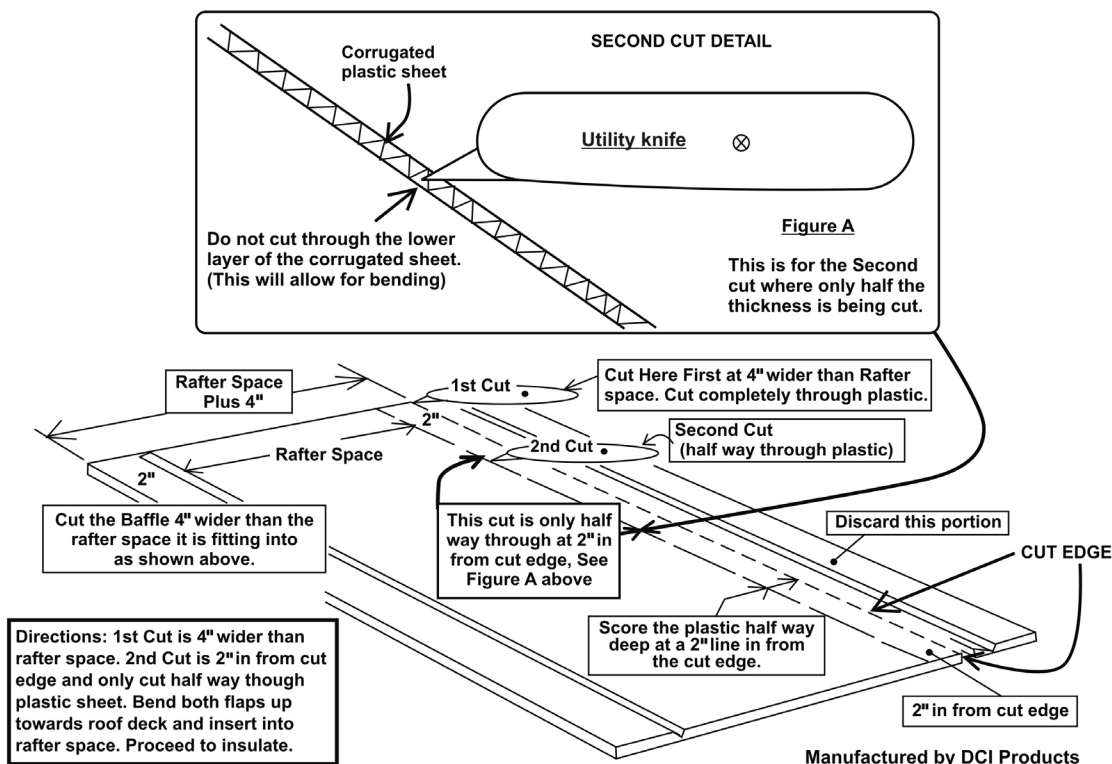


SmartBaffle by DCI

Installation instructions for SmartBaffle 16 & SmartBaffle 24

Use 1/2" Staples, or 1" Screws or 1 1/4" Roofing Nails to attach baffles to side rafters.

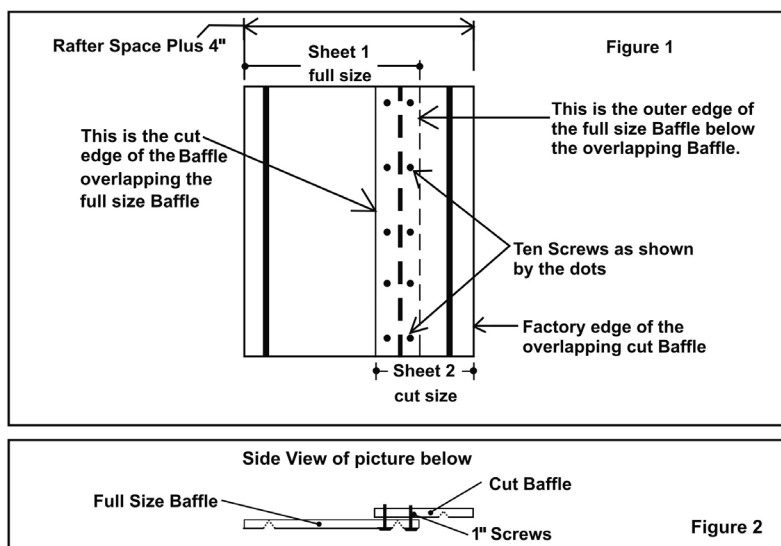
DIRECTIONS FOR CUTTING A SMALLER SMARTBAFFLE



DIRECTIONS FOR MAKING A WIDER SMARTBAFFLE

Note: SmartBaffle is available for 16" rafter (SmartBaffle 16) and for 24" rafters (SmartBaffle 24)

Manufactured by DCI Products



DIRECTIONS TO MAKE A WIDER BAFFLE:

Figure 1 - Overlap a portion (half sheet length wise) on top of a full sheet of SmartBaffle. Attach at least 8 screws, 1" long connecting the sheets together.

The overall SmartBaffle width size should be 4" wider than the rafter space it will be used in.

Once attached bend up the outer 2" flaps so they form a 90 degree bend. Insert into the rafter space.

Continue with as many as needed ensuring the space distance is the same.

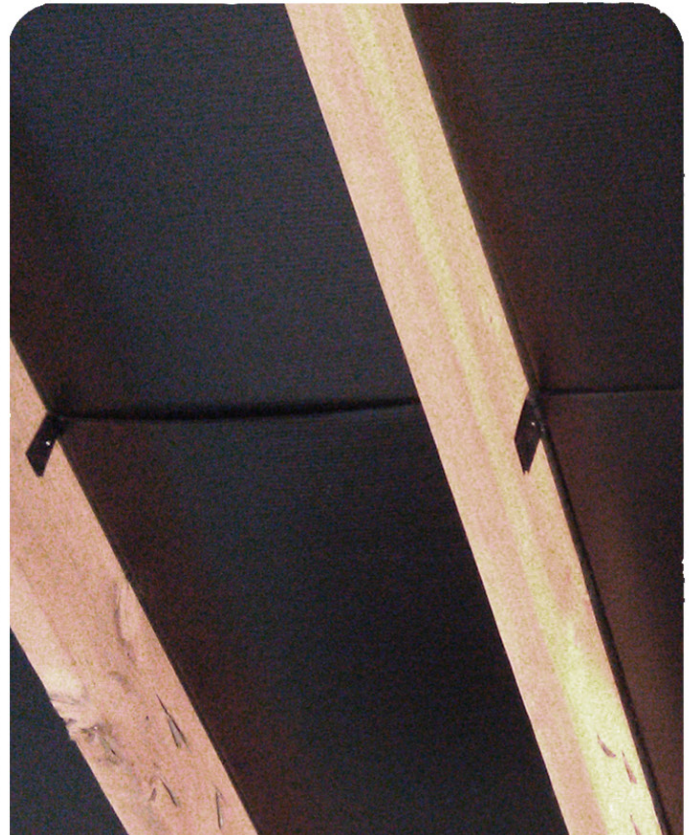
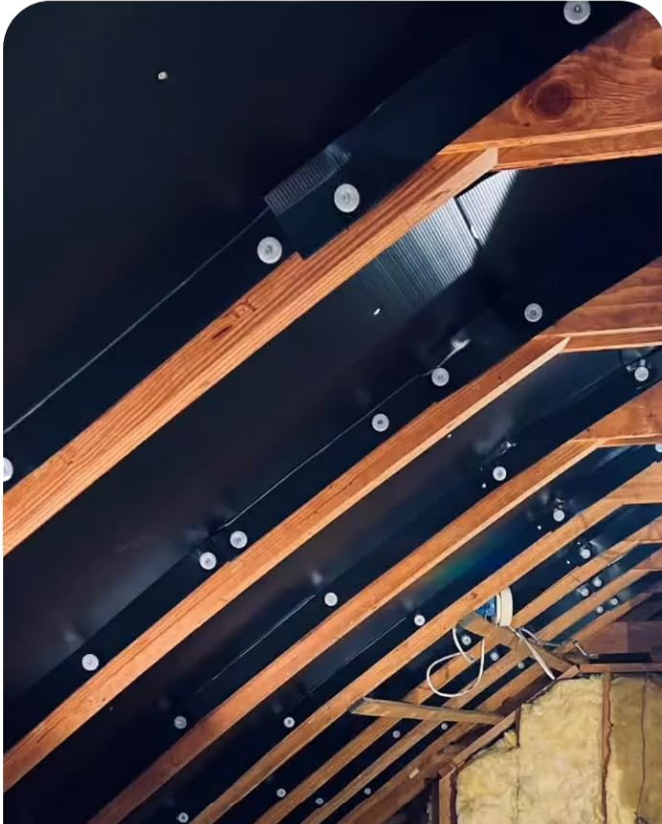
Figure 2 - A cross section of Figure 1 showing the overlay of the cut piece above the full SmartBaffle and screws for attachment

ENGINEERED FOR PERFORMANCE

Double bend routes at 2" for secure fit

 Locks into place within rafter bays

 Avoids shifting over time



BUILT TO LAST



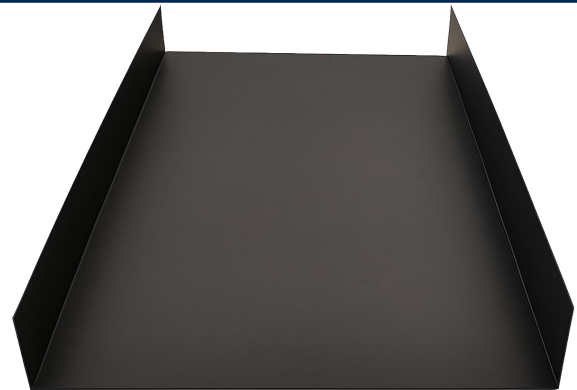
**Will not Crush,
Tear, or Break**



Reinforced corrugated plastic that holds its shape under insulation pressure for long-lasting attic protection

SMARTBAFFLE 16 ULTIMATE ATTIC VENTILATION SOLUTION

Designed for 16" Rafter Bays | Model SB16



MAINTAINS
CONSISTENT
AIRFLOW



PREVENTS
INSULATION
BLOCKAGE



DURABLE
MATERIAL



EASY-TO-INSTALL

Please contact us if you would like more information regarding the various applications, usage, product safety or warranty

DCI Products 415 South Penn Street Clifton Heights PA 19018
www.dciproducts.com • 610.622.4455 • info@dciproducts.com