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**  
*(Rugged Insulation Baffle)*

**Description:** The SmartBaffle is designed to fit 16” & 24” on center rafters and can be customized for different rafter widths. SmartBaffle will support spray foam, loose fill, fiberglass or any other insulation materials.

SmartBaffle is designed for rugged, unbreakable use and handling. SmartBaffle is constructed of non-collapsing material with lifetime durability. Insulation should fit loosely in the remaining rafter space to gain the maximum ‘R’ value (winter) and ‘U’ value (summer).

SmartBaffle allows 2” of air flow between rafters, which is more than double any competitor product. To create a wider or more narrow SmartBaffle for uneven rafter spaces, and to see the different attachment methods, please reference the installation instructions enclosed within the box or visit www.dciproducts.com

---

**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”W X 37.5”L X 1/8” Thick  
(SB24) 26.5”W X 37.5”L X 1/8” Thick

**MINIMUM ORDER:**  
1 Box (36 Pieces)

**TERMS:**  
Net 30

**TOTAL BOX QUANTITY:**  
36 Pieces Per Box

**TOTAL SKID QUANTITY:**  
16 Boxes or 576 Pieces

**TOTAL BOX WEIGHT:**  
(SB16) 34 lbs per box • (SB24) 47 lbs per box

**INDIVIDUAL BOX DIMENSIONS:**  
(SB16) 7.5” High x 19.5” Wide x 39” Long  
(SB24) 7.5” High x 27.5” Wide x 39” Long

**PALLET WEIGHTS & SIZES:**  
SB16 - 580 lbs 39” Long x 39” Wide x 66” High  
SB24 - 795 lbs 48” Long x 40” Wide x 66” 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 customers 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
1- To install the SmartBaffle simply bend up the 2” side flanges with the routed flange grooves facing the insulation. Insert the flanges into the rafter space ensuring that they rest against or near the underside of the roof decking. The flanges will automatically leave a 2” air space between the roof deck and the lower panel of the SmartBaffle. Slide the SmartBaffle down towards the fascia board to about 3” short of the inner side of the fascia board. This allows room for air flow from under the soffit. SmartBaffle is also designed to be used with SmartVent intake ventilation (www.dciproducts.com). Use a standard Utility knife to custom cut the SmartBaffle to fit rafters, ridges and wall plates to seal for wind. The side flanges also work as nailing tabs from the rooftop or attic area.

2- The SmartBaffle (Fig. 1) installs using a small 8d nail placed proximate to the middle of the SmartBaffle on each side below the baffle, ensuring the flanges are tight to the roof deck. Install as many SmartBaffles as needed to create the rafter air chute ensuring that a clear, continuous air channel is present between the soffit intake air and the roof’s exhaust air or ridge vent and the underside of the roof deck. For multiple baffle installations in one rafter bay simply abut each baffle together (recommended). Other choices include: a) overlap each baffle by 1” or b) allow 1/4” space between each baffle. NOTE: When using spray foam insulation, ALL SmartBaffles need to abut each other tightly in the same bay or overlap 1” to ensure the foam does not penetrate the air chute.

3- To create a smaller size SmartBaffle for narrow rafter spaces, simply cut the one long side, about four inches (4”) wider than the width of the rafter space. Next, use a utility knife to cut “half way through” a mark made 2” in from the SmartBaffle cut off edge. This will create a flange that bends up towards the roof deck. You may practice this cut on a scrap piece of baffle material prior to working on the installed SmartBaffle to become familiar with the ½ cut. Another way is discussed in step #4.

4- Things to remember: ensure insulation is not inside the 2” air chute created between the roof deck and the SmartBaffle. Install SmartBaffle in all rafter spaces that have soffit intake air flow that may be blocked by insulation. Use a utility knife to make cuts. Larger size spaces can follow the next directions in step #5. Tip: To create a smaller baffle, cut the SmartBaffle long ways ½” less than the width of the rafter space (allowing for the flanges bending up). Once separated, overlap at the cut edges creating the size required including the flange allowances (Flange allowance is 4”). Screw the overlapped long edges together using eight 1” long screws (max.) pointed towards the roof deck for safety purposes. Using this method the space between the routes in the SmartBaffle would be the space between the narrow rafter space.

5- To create a larger SmartBaffle (Fig. 2) simply screw two flat SmartBaffles together with maximum length 1” screws (eight screws with screw points toward the roof deck when installed) ensuring the width is 4” wider than the rafter space (this allows for the 2” flanges). Then install per the above directions. Below is a sketch of the SmartBaffle installation inside a rafter space.
SmartBaffle by DCI
Installation instructions of Smartbaffle 16 & SmartBaffle 24
(SmartBaffle is available for 16” or 24” rafter spaces, respectively)

DIRECTIONS FOR CUTTING A SMALLER SMARTBAFFLE

Do not cut through the lower layer of the corrugated sheet. (This will allow for bending)

Second Cut Detail

This is for the Second Cut where only half the thickness is being cut.

Figure A

1st Cut

Cut Here First at 4” wider than Rafter space. Cut completely through plastic.

2nd Cut

This cut is only half way through at 3” in from cut edge. See Figure A above.

Second Cut (half way through plastic)

Cut the Baffle 4” wider than the Rafter Space and discard this portion.

Score the plastic half way deep at a 2° line in from the cut edge.

Score plastic half way deep at 3” in from cut edge.

Rafter Space

Rafter Space Plus 4"

CUT EDGE

Directions: 1st Cut is 4” wider than rafter space, 2nd Cut is 3” in from cut edge and only cut half way through plastic sheet. Bend both flaps up towards roof deck and insert into rafter space. Proceed to insulate.

Manufactured by DCI Products

DIRECTIONS FOR MAKING A WIDER SMARTBAFFLE

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

Manufactured by DCI Products

Directions to Make a Wider Baffle:

Fig. 1- overlap a portion (half sheet length wise) on top of a full sheet of SmartBaffle. Attach 10 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 rafter space. Continue with as many as needed ensuring the space distance is the same.

Fig. 2- a cross section of Fig. 1 showing the overlay of the cut piece above the full SmartBaffle and screws for attachment.