

# 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  
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# *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.

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## **SmartBaffle 16 & 24 Specifications:**

<b>MODEL NUMBER:</b>	(SB16) SmartBaffle 16 used for 16" rafter spacing (SB24) SmartBaffle 24 used for 24" rafter spacing
<b>PRODUCT DIMENSIONS:</b>	(SB16) 18.5"W x 36"L x 1/8" Thick (SB24) 26.5"W x 36"L x 1/8" Thick
<b>MINIMUM ORDER:</b>	1 Box (SB16 - 36 Pieces, SB24 - 30 Pieces)
<b>TERMS:</b>	Net 30
<b>TOTAL BOX QUANTITY:</b>	SmartBaffle 16 - 36 Pieces, SmartBaffle 24 - 30 Pieces
<b>TOTAL SKID QUANTITY:</b>	SB 16 - 20 Boxes or 720 Pieces, SB24 - 24 Boxes or 720 Pieces
<b>TOTAL BOX WEIGHT:</b>	(SB16) - 31 lbs. per box • (SB24) - 38 lbs. per box
<b>INDIVIDUAL BOX DIMENSIONS:</b>	(SB16) 7.5" High x 19.5" Wide x 38" Long (SB24) 4.5" High x 27.5" Wide x 38" Long
<b>PALLET WEIGHTS &amp; SIZES:</b>	SB16 - 645 lbs. (Plus Skid) 39" Long x 39" Wide x 70" High SB24 - 945 lbs. (Plus Skid) 48" Long x 40" Wide x 73" High
<b>INCLUDED ITEMS:</b>	Installation Instructions
<b>RETURN POLICY:</b>	<b>30 DAYS UNCONDITIONAL MONEY BACK GUARANTEE.</b> 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.
<b>DCI Products Inc</b> 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 of 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 toll free number is 800-622-4455 or contact us via email [info@dciproducts.com](mailto:info@dciproducts.com)



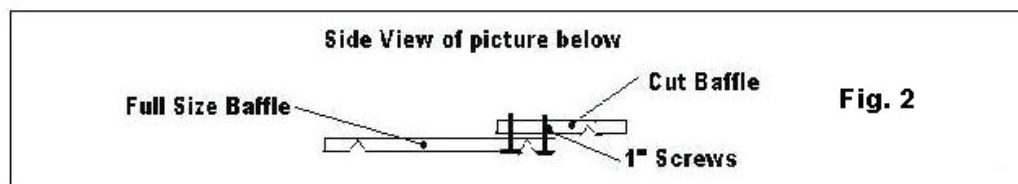
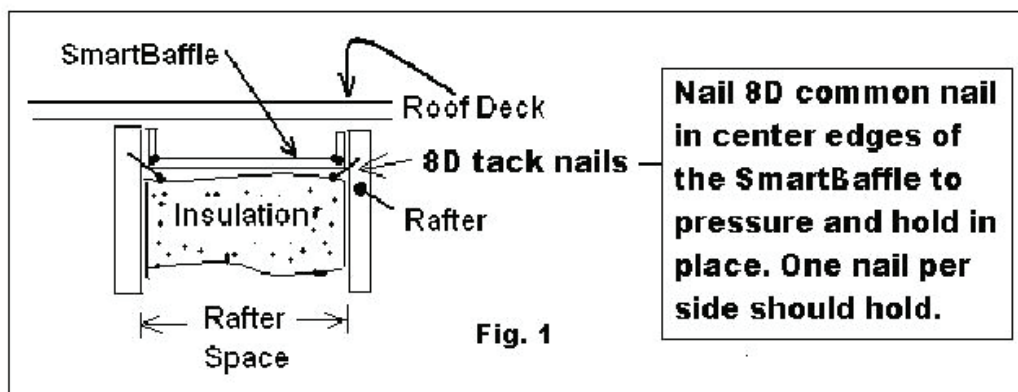
1- To install the SmartBaffle simply bend up the 2" side flanges with the routed flange grooves facing the insulation. Insert the flanges into the rafter space ensuring that they rest against or near the underside of the roof decking. The flanges will automatically leave a 2" air space between the roof 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](http://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 1/2 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 1/2" 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.

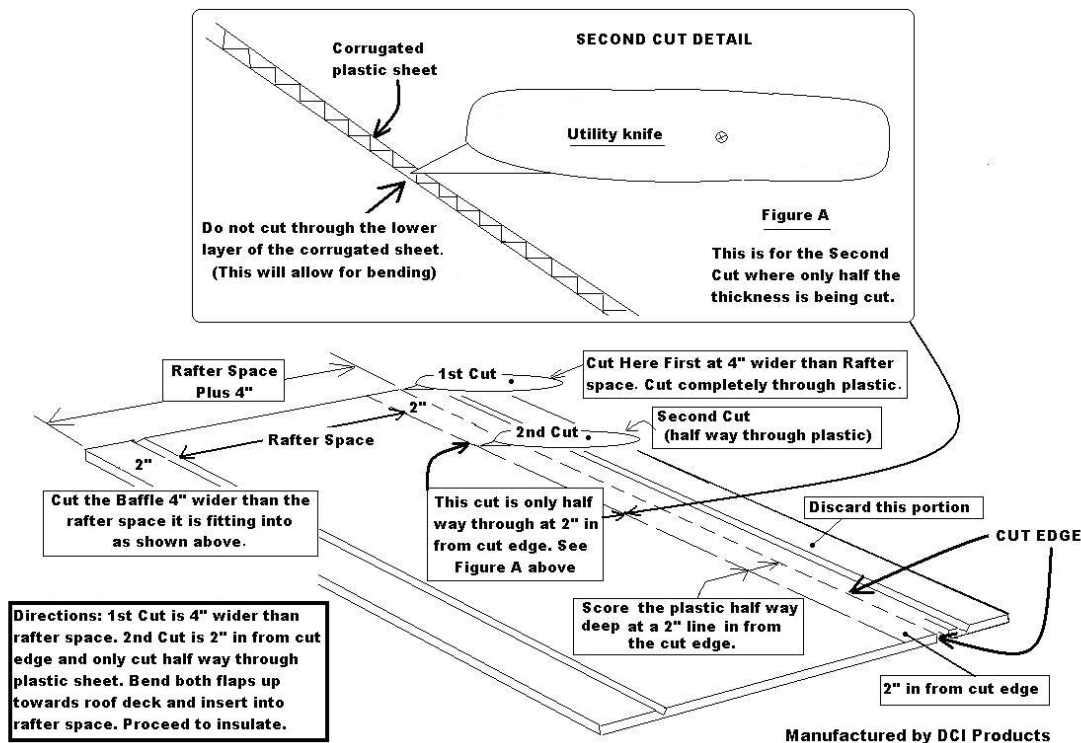


# SmartBaffle by DCI

## Installation instructions of Smartbaffle 16 & SmartBaffle 24

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

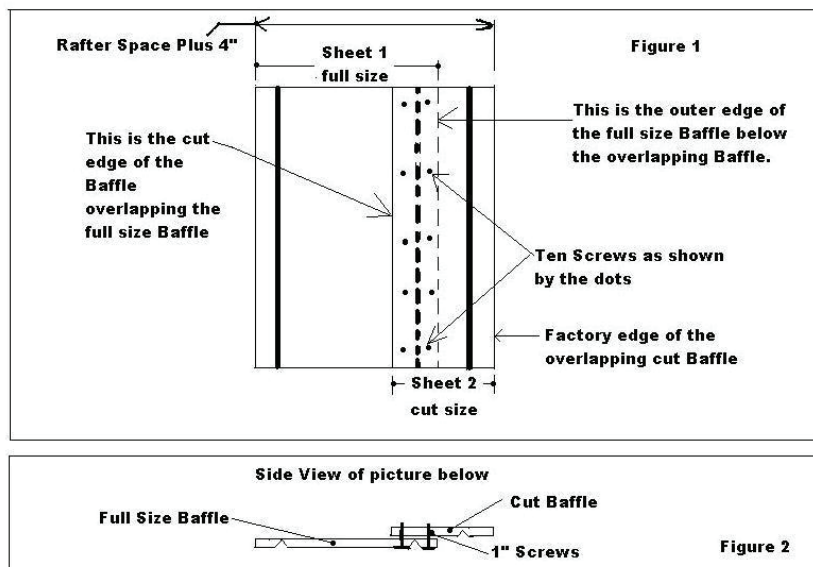
### DIRECTIONS FOR CUTTING A SMALLER SMARTBAFFLE



### 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.