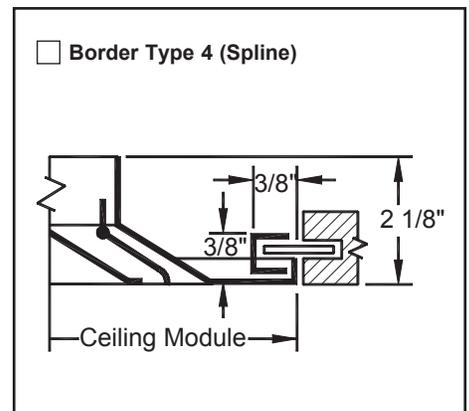
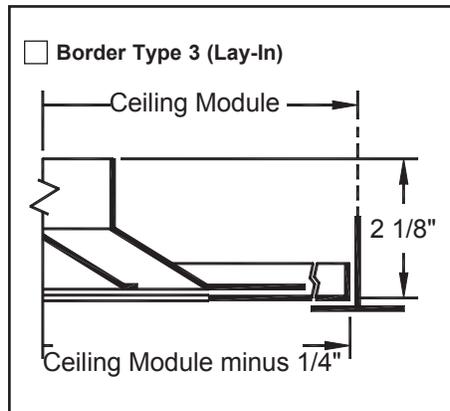
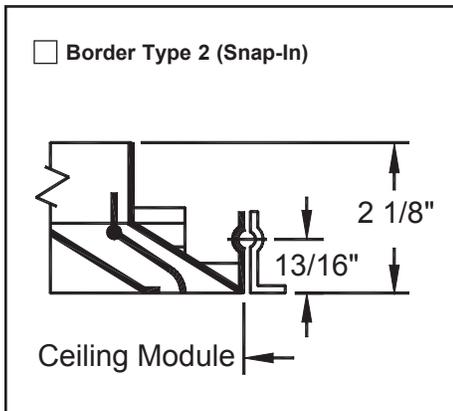
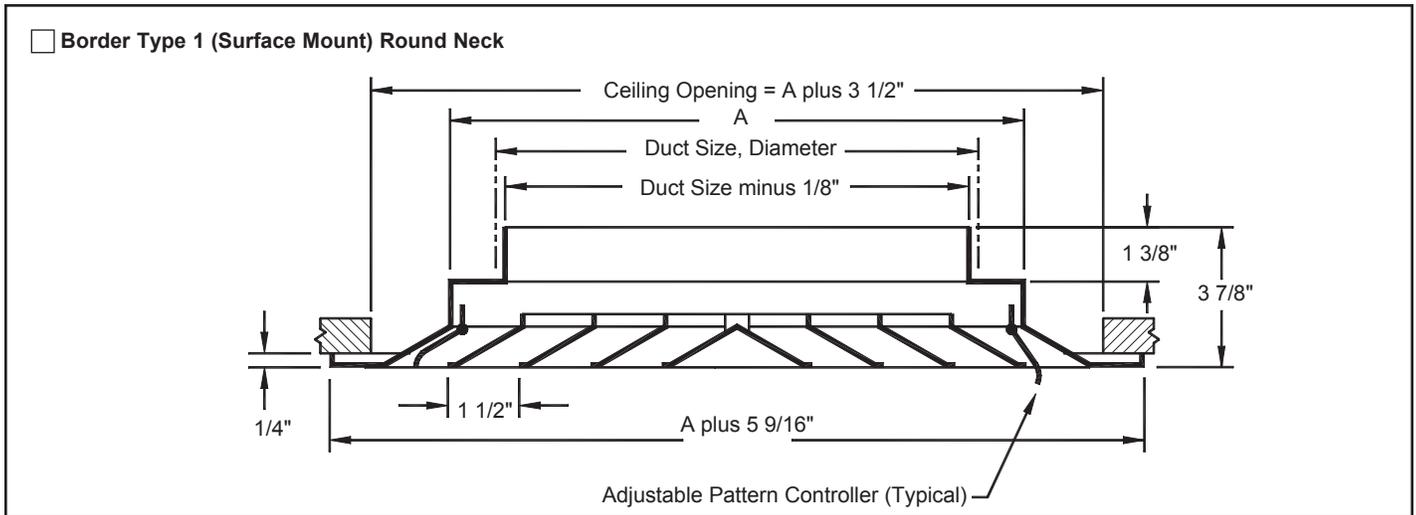
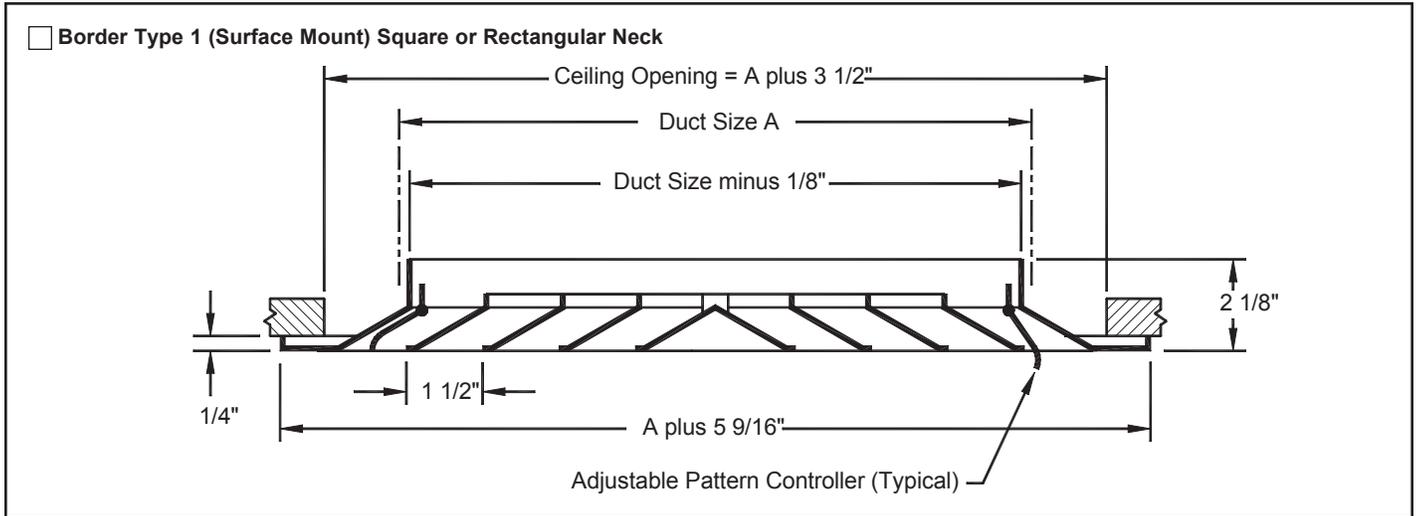


Square and Rectangular Ceiling Diffusers

Steel • Louvered Face • High Capacity

Model: TDCA • Square, Rectangle or Round Neck • Horizontal-to-Vertical Adjustable Discharge

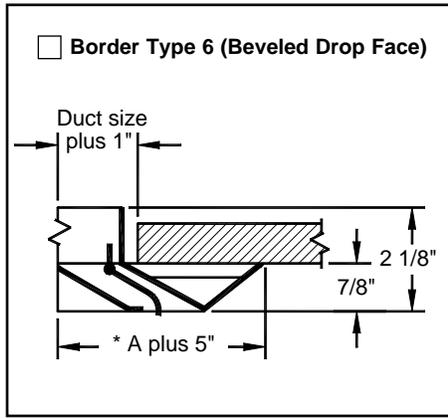
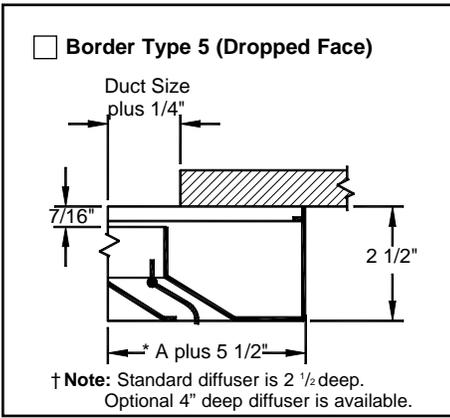


For Dimensions "A" see table on next page.

Dimensions are in inches.

Border Types, Dimensions (Continued)

***Note:** Dimension A refers to either square/rectangle or round neck diffusers. See drawings below.



Available Duct Sizes, Square and Rectangular Necks

Border Type 1, 5, 6		Border Type 2, 3, 4		
Minimum Duct Size A	Maximum Duct Size A	Available Module Size	Minimum Duct Size A	Maximum Duct Size Size
6 x 6	24 x 24	12 x 12	6 x 6	6 x 6
		24 x 24	6 x 6	18 x 18
		48 x 24	12 x 12	24 x 18

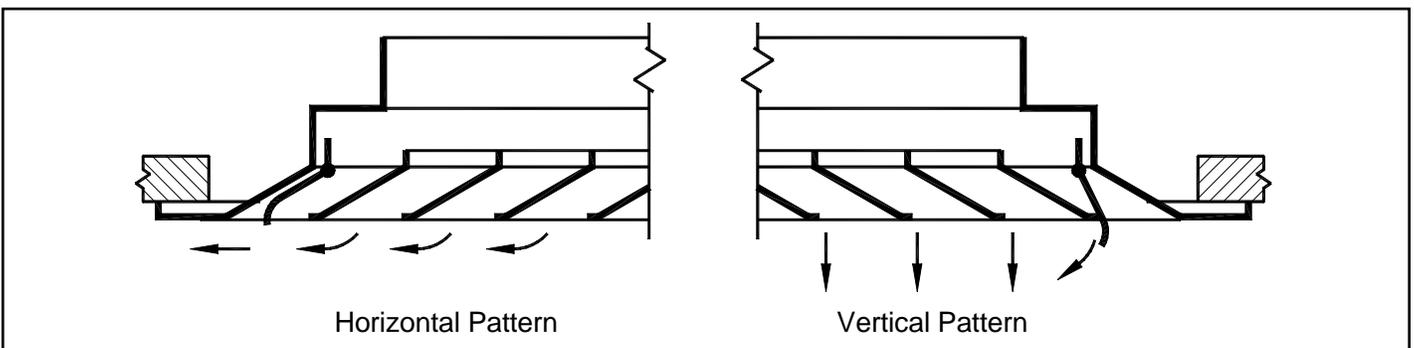
***Note:** Duct sizes are available in 3" increments only.

Available Duct Sizes, Round Necks

Border Type 1, 5, 6		Border Type 2, 3, 4		
Dimensions A	Available Round Duct Size	Available Module Size	Dimension A	Available Rnd. Duct Size
6 x 6	6	12 x 12	6 x 6	6
9 x 9	6, 8		6 x 6	6
12 x 12	8, 10, 12		9 x 9	6, 8
15 x 15	6, 8, 10, 12, 14		12 x 12	8, 10, 12
18 x 18	6, 8, 10, 12, 14, 16		15 x 15	12, 14
			18 x 18	6, 8, 10, 12, 14, 16

***Note:** Round duct sizes are available only in sizes shown.

Adjusting Vertical-to-Horizontal Discharge Pattern



Accessories (Optional) for Round Neck

Check if provided

Model AG-100 Radial Sliding Blade Damper *

Model EG Equalizing Grid

AG-100 Mounts Above Neck

1 1/2"

1 3/4"

1 Model AG-100 damper is available in duct sizes 6 thru 14 inches only

Model D-100 Radial Sliding Blade Damper *

Model EG Equalizing Grid

EG

1 1/2"

D-100 Mounts on Neck

2 Model D-100 damper is available in duct sizes 6 thru 14 inches only.

Model D-75 Opposed Blade Damper *

Model EG Equalizing Grid

EG

1 1/2"

D-75 Mounts on Neck

A

3 Model D-75 damper is available in duct sizes 6 thru 12 inches only

Model AG-85 Butterfly Damper *

Model EG Equalizing Grid

EG

1 1/2"

AG-85 Mounts Above Neck

A

1 5/8"

4

Model AG-65 Combination Damper and Equalizing Grid *

Air Flow →

AG-65 Mounts Above Neck

A

1 1/2"

5

Model AG-75 Opposed Blade Damper *

Model EG Equalizing Grid

EG

1 1/2"

AG-75 Mounts Above Neck

A

B

Size	B
6-12	1 1/2
14-16	2 1/8

6

Dimension "A" in Inches, for Dampers Shown as Above

Accessories	Nominal Round Duct Sizes					
	6	8	10	12	14	16
1 AG-100	—	—	—	—	—	N/A
2 D-100	—	—	—	—	—	N/A
3 D-75	2 3/8	3 1/4	4 1/8	4 7/8	N/A	N/A
4 AG-85	2 1/2	3 1/2	4 1/2	5 1/2	6 1/2	7 1/2
5 AG-65	3 3/8	4 1/2	5 1/2	7 1/8	8 5/8	9 7/8
6 AG-75	4 1/4	5 1/8	6	6 7/8	2 3/4	3 1/2

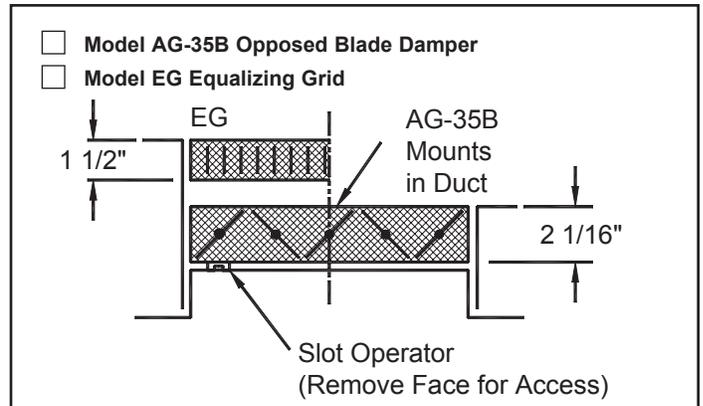
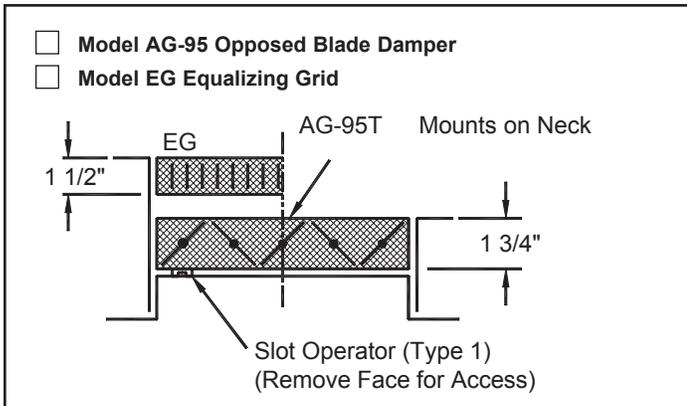
Notes 1 and 2 :

Model AG-100 and D-100 dampers have radial blades that slide in a horizontal plane. For that reason, no opening clearance "A" is dimensioned.

* **Damper operators** on all round neck dampers are screwdriver type. Remove diffuser core (See back page) for access.

Accessories (Optional) for Rectangular Neck

Check if provided



All dimensions are in inches.

Other Accessories (Optional)

Standard Finish: #26 White

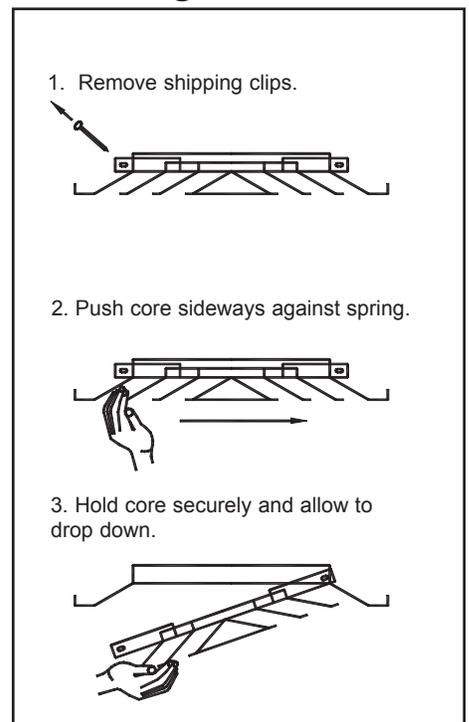
- Model TRV Throw Reducing Vanes
- Model SR Square-to-Round Transition

Optional Patterns

Check selection

↕ 1 Way	<input type="checkbox"/> S1 Square 	<input type="checkbox"/> A1 	<input type="checkbox"/> B1
↕↕ 2 Way	<input type="checkbox"/> A2 	<input type="checkbox"/> S2 Square 	<input type="checkbox"/> B2
↕↕ 2 Way Corner	<input type="checkbox"/> E2 	<input type="checkbox"/> F2 	<input type="checkbox"/> G2 Square
↕↕ 3 Way	<input type="checkbox"/> A3 	<input type="checkbox"/> E3 	<p>For A3, $X > Y$ For A3-2, $X > Y, X < 2Y$ For B3, $X = 2Y$ For E3, $X > 2Y$</p> <p>* Dimensions X and Y shown here are the proportions of available rectangular duct sizes. Duct sizes are available in 3" increments. Dimension X is always the longer dimension for each core option.</p>
	<input type="checkbox"/> A3-2 	<input type="checkbox"/> B3 	
↕↕↕ 4 Way	<input type="checkbox"/> A4 Square 	<input type="checkbox"/> B4 	

Removing Center Core



General Description

- TITUS® Model TDCA is a high capacity ceiling diffuser.
- Movable vanes, accessible from the face, adjust the discharge pattern from horizontal to vertical.
- In the horizontal setting, the Model TDCA maintains an unbroken horizontal flow pattern from maximum cfm down to minimum, making

- it an excellent choice for variable air volume applications.
- Core is removable from the face of the diffuser.
- Lever operator on optional Model AG-95 damper allows easy volume adjustment from the face of the diffuser. (Rectangular necks only).

- Model TDCA is extremely flexible, with cores available for 1, 2, 3 or 4-way horizontal flow, in addition to the adjustable vanes.
- Material is heavy gauge steel.



Note: This submittal is meant to demonstrate general dimensions of this product. The drawing on this submittal are not meant to detail every aspect of the product with exactness. Drawings are not to scale. TITUS reserves the right to make changes without written notice.

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