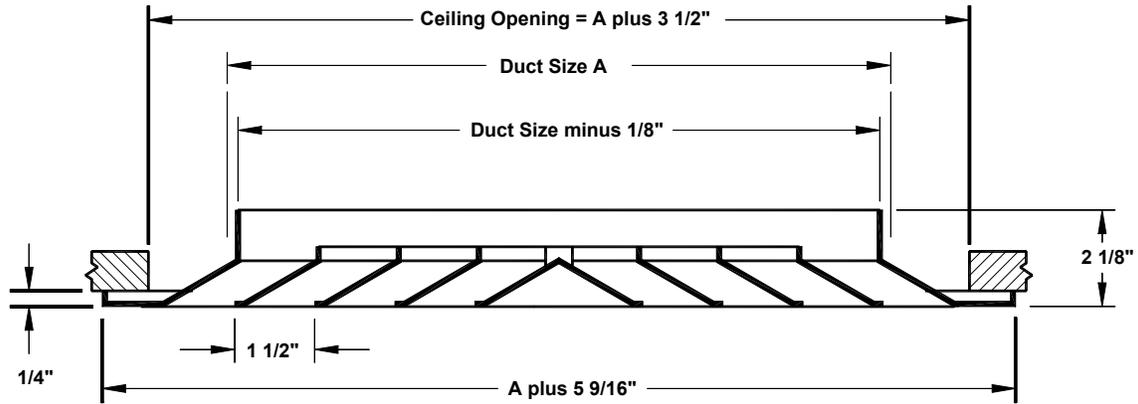


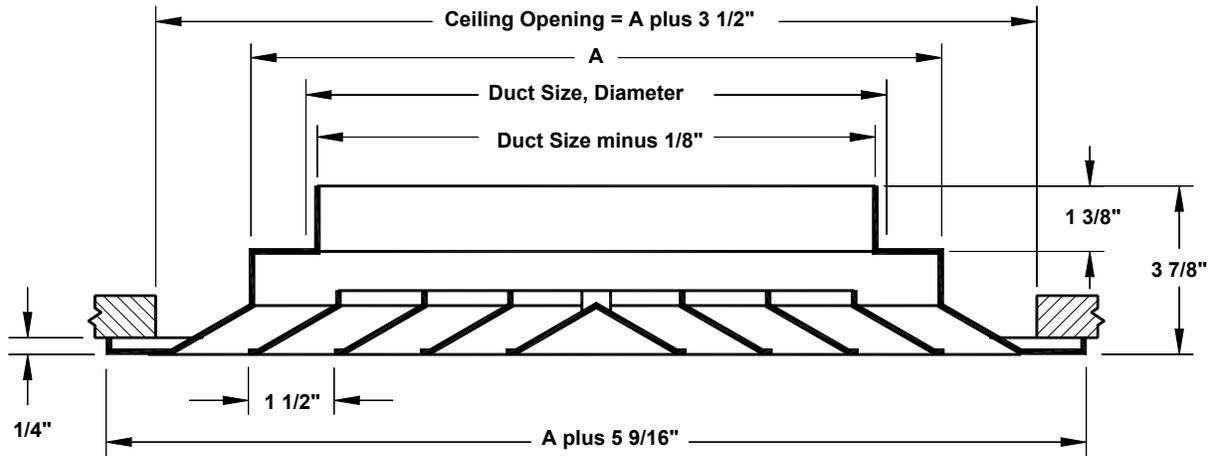
TDC • Square, Rectangular, or Round Neck

Square and Rectangular Ceiling Diffusers
 Steel • Louvered Face • High Capacity

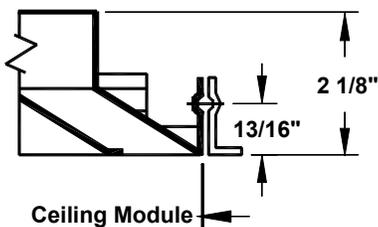
Border Type 1 (Surface Mount) Square or Rectangular Neck



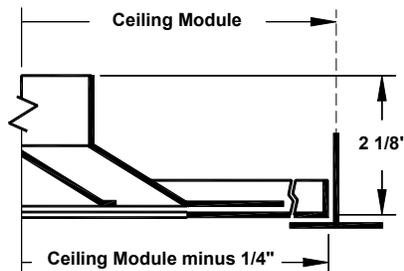
Border Type 1 (Surface Mount) Round Neck



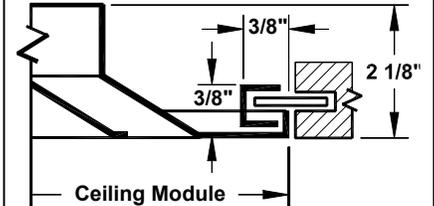
Border Type 2 (Snap-In)



Border Type 3 (Lay-In)



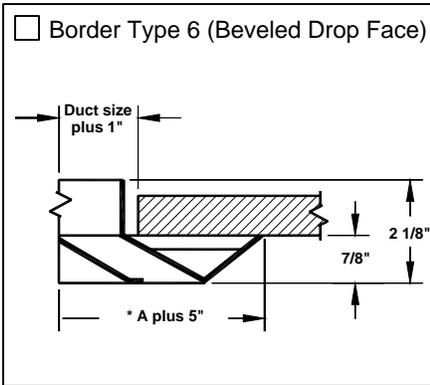
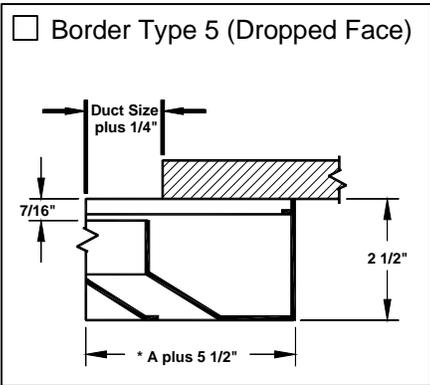
Border Type 4 (Spline)



Dimensions are in inches.

*Note: For Dimensions "A" see table on next page.

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 Types 1, 5, 6	
Minimum Duct Size A	Maximum Duct Size A
6 x 6	48 x 48

Border Types 2, 3, 4		
Available Module Size	Minimum Duct Size A	Maximum Duct Size A
12 x 12	6 x 6	9 x 9
24 x 24	6 x 6	21 x 21
48 x 24	12 x 12	45 x 21

Note: Duct sizes are available in 3" increments only. Maximum duct size for border 5 is 36 x 36.

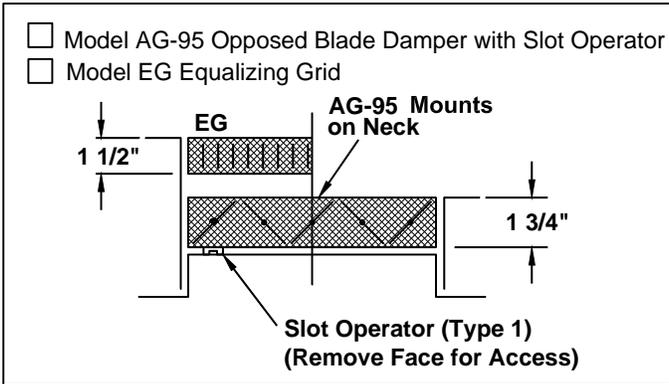
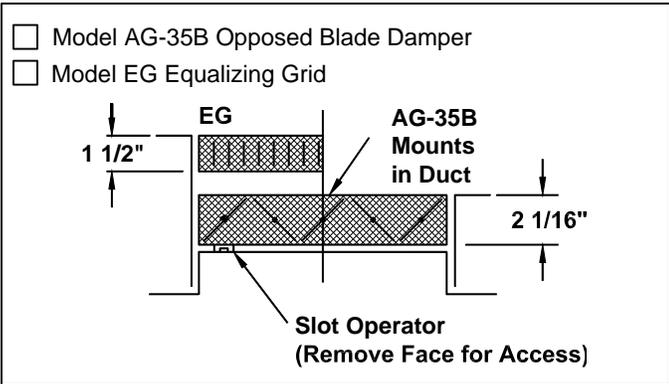
Available Duct Sizes, Round Necks

Border Types 1, 5, 6	
Dimension A	Available Round Duct Size
6 x 6	6
9 x 9	6, 8
12 x 12	8, 10, 12
15 x 15	6, 8, 10, 12, 14
18 x 18	6, 8, 10, 12, 14, 16

Border Types 2, 3, 4		
Available Module Size	Dimension A	Available Round Duct Size
12 x 12	6 x 6	6
	9 x 9	6, 8
24 x 24	6 x 6	6
	9 x 9	6, 8
	12 x 12	8, 10, 12
	15 x 15	12, 14
	18 x 18	6, 8, 10, 12, 14, 16

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

Accessories (Optional) Rectangular Neck Check if provided.

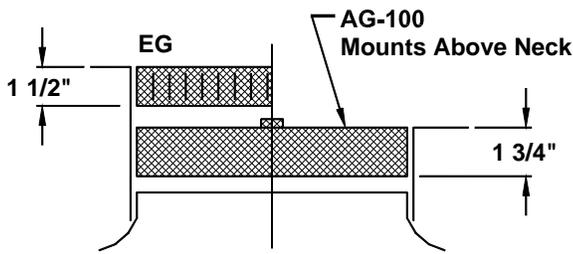


All dimensions are in inches.

Accessories (Optional) for Round Neck

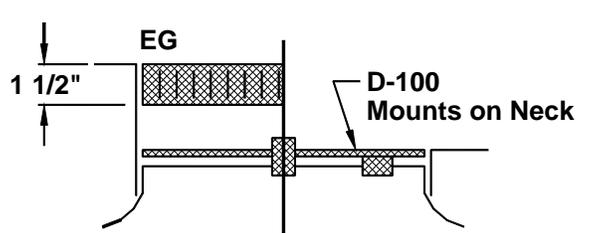
Check if provided.

- Model AG-100 Radial Sliding Blade Damper
- Model EG Equalizing Grid



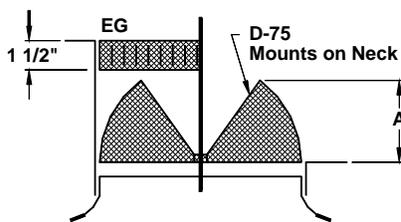
Model AG-100 damper is available in duct sizes 6 thru 14 inches only

- Model D-100 Radial Sliding Blade Damper
- Model EG Equalizing Grid



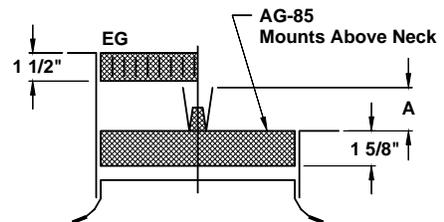
Model D-100 damper is available in duct sizes 6 thru 14 inches only.

- Model D-75 Opposed Blade Damper
- Model EG Equalizing Grid

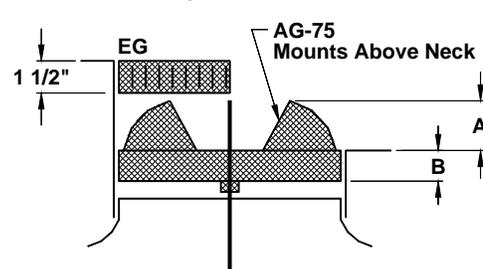


Model D-75 damper is available in duct sizes 6 thru 12 inches only.

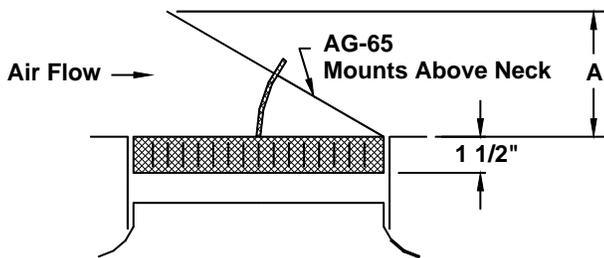
- Model AG-85 Butterfly Damper
- Model EG Equalizing Grid



- Model AG-75 Opposed Blade Damper
- Model EG Equalizing Grid



- Model AG-65 Combination Damper and Equalizing Grid



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

Accessories	Nominal Round Duct Sizes						
	6	8	10	12	14	16	
<input type="checkbox"/> AG-100	-	-	-	-	-	N/A	
<input type="checkbox"/> D-100	-	-	-	-	-	N/A	
<input type="checkbox"/> D-75	2 3/8	3 1/4	4 1/8	4 7/8	N/A	N/A	
<input type="checkbox"/> AG-85	2 1/2	3 1/2	4 1/2	5 1/2	6 1/2	7 1/2	
<input type="checkbox"/> AG-65	3 3/8	4 1/2	5 1/2	7 1/8	8 5/8	9 7/8	
<input type="checkbox"/> AG-75	4 1/4	5 1/8	6	6 7/8	2 3/4	3 1/2	

Notes:
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.

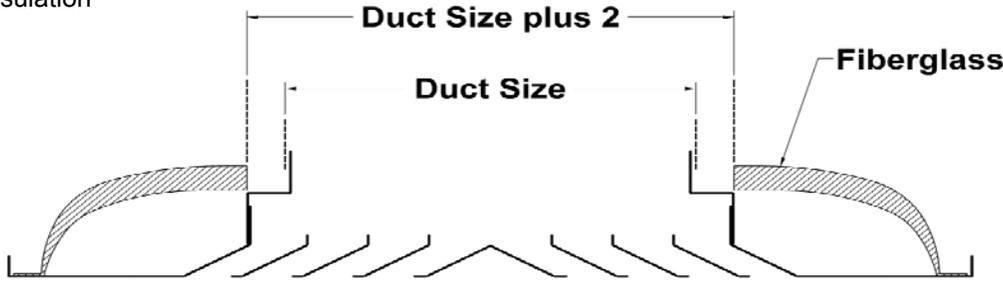
*Damper operators on all round neck dampers are screwdriver type. Remove diffuser core for access.

Other Accessories (Optional)

Check if provided.

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

- IB Molded Insulation Backpan



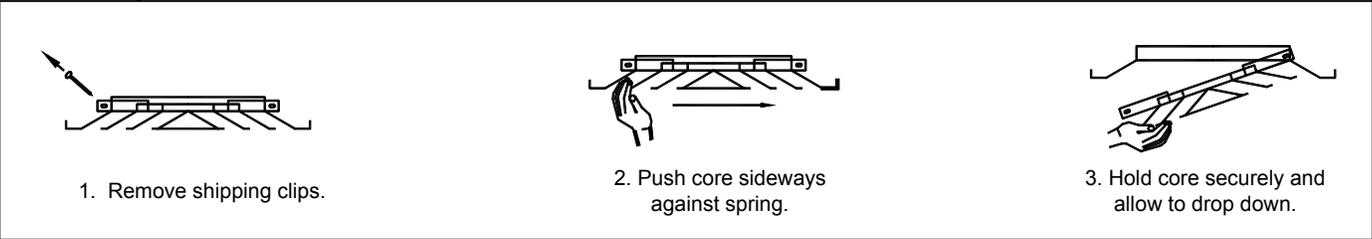
Insulation is R-6 where blanket has the most depth. One inch clearance on each side of neck is left for insulated duct connection. IB option is only for Border 3, 24x24 module sizes only, with a maximum neck size is 15"x15".

Optional Patterns

Check if provided.

<p>1 Way</p>	<input type="checkbox"/> S1 Square 	<input type="checkbox"/> A1 	<input type="checkbox"/> B1
<p>2 Way</p>	<input type="checkbox"/> A2 	<input type="checkbox"/> S2 Square 	<input type="checkbox"/> B2
<p>2 Way Corner</p>	<input type="checkbox"/> E2 	<input type="checkbox"/> F2 	<input type="checkbox"/> G2 Square
<p>3 Way</p>	<input type="checkbox"/> A3 <p style="font-size: small;">$X \geq Y$</p>	<input type="checkbox"/> E3 <p style="font-size: small;">$X > 2Y$</p>	<p>For A3, $X \geq Y$ 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 <p style="font-size: small;">$X > Y, X < 2Y$</p>	<input type="checkbox"/> B3 <p style="font-size: small;">$X = 2Y$</p>	
<p>4 Way</p>	<input type="checkbox"/> A4 Square 	<input type="checkbox"/> B4 	

Removing Center Core



Standard Finish: #26 White
General Description

- TITUS Model TDC is a high capacity ceiling diffuser. Because it maintains an unbroken horizontal flow pattern from maximum cfm down to minimum, it is an excellent choice for variable air volume application.
- 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).
- Material is heavy gauge steel.
- Model TDC is extremely flexible, with cores available for 1, 2, 3 or 4-way horizontal flow patterns.
- Optional molded insulation blanket (IB) with R-6 rating available for use with border styles 3, 24x24 module, and maximum neck size of 15"x15".

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.



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