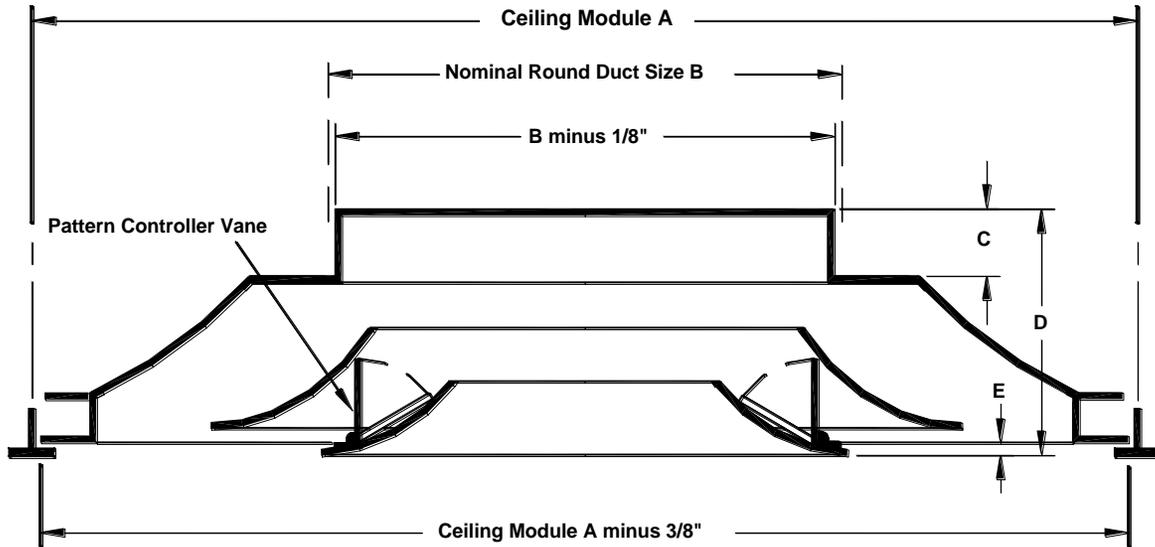


## Square Ceiling Diffusers Aluminum • Adjustable • High Performance

Model: TMSA-AA • Round Neck • Vertical-to-Horizontal Discharge Pattern

Border Type 3 (Lay-In) Full Face.

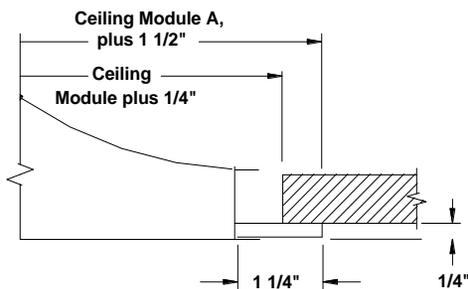


Ceiling Module A	Nominal Round Duct Size B	C	D	E
12 x 12	4, 5*	3 1/8	5 3/8	3/8
12 x 12	6, 7	1 1/8	3 3/8	3/8
12 x 12	8	1 1/4	3 1/2	3/8
20 x 20	4, 5*	2 3/4	6 3/8	1 1/4
20 x 20	6, 8, 10	3/4	4 3/8	1 1/4
24 x 24	6, 8	1 1/4	5	1/4
24 x 24	10, 12, 14, 15	1 3/8	5 1/8	1/4

\* Adapter is provided for 4 & 5

### Other Available Border Types

Frame Type 1 (Surface Mount)  
Full Face



Ceiling Module	Face Size	Nominal Round Duct Sizes	Border Types
20 x 20	20 x 20	4, 5, 6, 8, 10	1, 3
24 x 24	24 x 24	6, 8, 10, 12, 14, 15	1, 2, 3, 4

Adjusting Optional Damper • Removing Center Cone

1. Remove center pin.

2. To adjust optional damper, insert screwdriver through hex hole.

3. To remove center cone, insert hex key (by others) and unscrew center hub.

TMSA-AA Discharge Patterns

Vertical Pattern

Horizontal Pattern

Note: Pattern controller vanes are adjustable to any position from vertical to horizontal.

Accessories (Optional) Check  if provided.

Model D-75 Opposed Blade Damper

Model EG Equalizing Grid

1 1/2"

EG

D-75 Mounts on Neck

A

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

Model AG-75 Opposed Blade Damper

Model EG Equalizing Grid

1 1/2"

EG

AG-75 Mounts Above Neck

A

B

Size	B
6 - 12	1 1/2
14, 15	2 1/8

Model AG-75 damper is available in 6, 7, 8, 10, 12, 14, and 15 inch duct sizes only.

Model AG-85 Butterfly Damper

Model EG Equalizing Grid

1 1/2"

EG

AG-85 Mounts Above Neck

A

1 5/8"

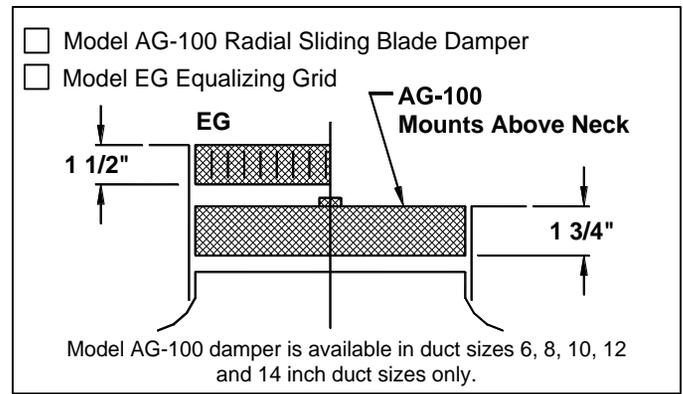
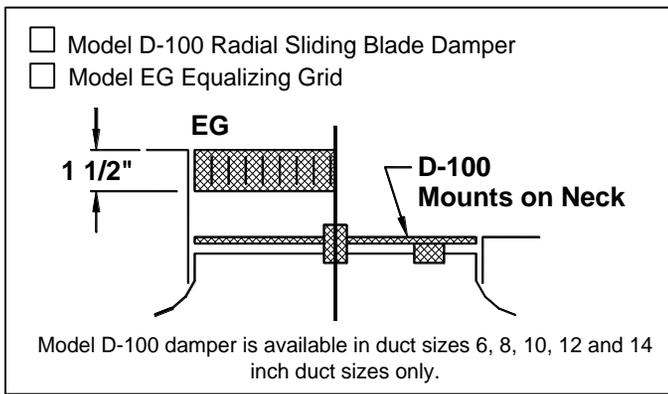
Model AG-65 Combination Damper and Equalizing Grid

Air Flow →

AG-65 Mounts Above Neck

A

1 1/2"



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

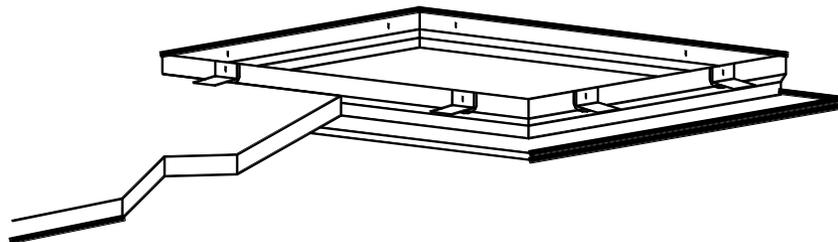
Accessories	Nominal Round Duct Sizes						
	6	7	8	10	12	14	15
AG-100	—	—	—	—	—	—	N/A
D-100	—	—	—	—	—	—	N/A
D-75	2 3/8	2 7/8	3 1/4	4 1/8	4 7/8	N/A	N/A
AG-85	2 1/2	3	3 1/2	4 1/2	5 1/2	6 1/2	7
AG-65	3 3/8	4	4 1/2	5 1/2	7 1/8	8 5/8	9
AG-75	2 3/4	3 1/4	3 5/8	4 1/2	5 3/8	2 3/4	3

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

### Other Accessories (Optional)

Model SB Sectorizing Baffles

TRM TITUS Rapid Mount Frame



For Surface Mounting Border Type 3

### Standard Finish: #26 White

### General Description

- Model TMSA-AA includes adjustable vanes which vary the discharge pattern between horizontal and vertical.
- Delivers supply air in a true 360° pattern. Designed to protect ceiling from streaking and smudging.
- Excellent for variable volume systems. The uniform, nearly horizontal jet maintains effective room air distribution even when air volume varies over a considerable range.
- The TMSA-AA consists of 3 concentric cones in all sizes. This uniformity of design enhances appearance in installations where more than one size is involved.
- Screwdriver adjustment of the optional damper is achieved without removing the inner cone. (See Note 2, page 2.)
- Quick removal of inner cone with a hex key speeds installation. (See Note 3, page 2.)
- All cones are die-stamped one-piece construction with smooth, clean surfaces and no corner joints.
- Material is heavy gauge aluminum with steel bar webbing.

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.