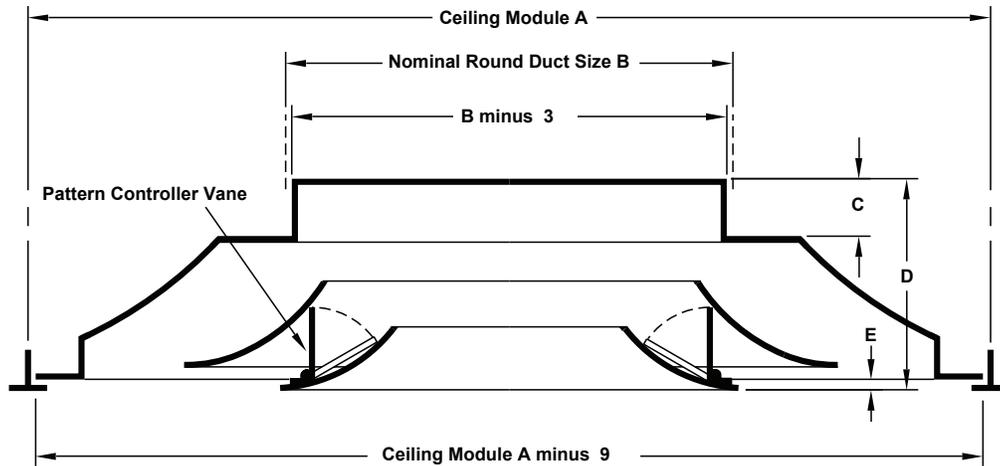


Square Ceiling Diffusers

Steel • Adjustable • High Performance

Model: MTMSA • Round Neck • Vertical-to-Horizontal Discharge Pattern

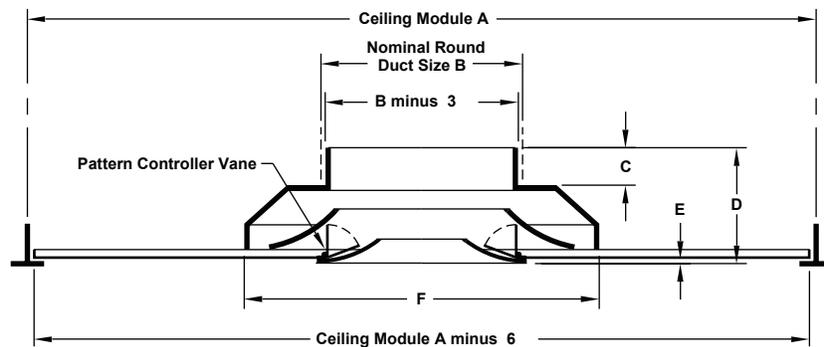
Frame Type 3 (Lay-In) Full Face. For other border types, please see next page.



Ceiling Module A	Nominal Round Duct Size B	C	D	E
305 x 305	102, 127*	79	137	10
305 x 305	152, 178	29	86	10
305 x 305	203	32	89	16
610 x 610	152, 203	32	127	6
610 x 610	254, 305, 356, 381	35	130	6

* Adapter is provided for Sizes 102 and 127.

Frame Type 3 (Lay-In) Panel Mount. For other border types, please see next page.

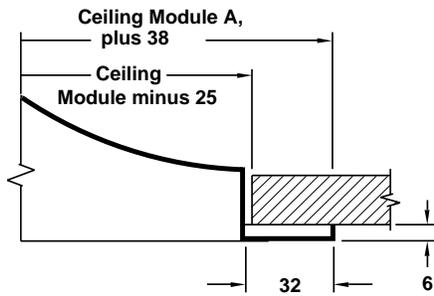


Ceiling Module A	Nominal Round Duct Size B	Nominal Face Sizes F	C	D	E
610 x 610	102, 127*	305 X 305	79	137	10
610 x 610	152, 178	305 X 305	29	86	10
610 x 610	203	305 x 305	32	89	16

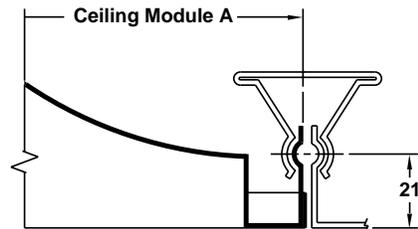
* Adapter is provided for Sizes 102 and 127.

Other Available Border Types

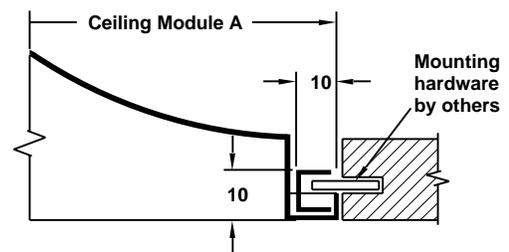
- Frame Type 1 (Surface Mount)
Full Face



- Frame Type 2 (Snap-In)
Full Face or Panel Mounted

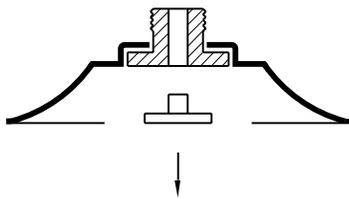


- Frame Type 4 (Spline)
Full Face or Panel Mounted

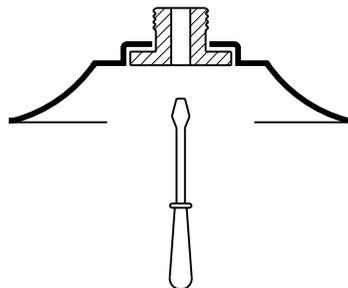


Ceiling Module	Face Size	Nominal Round Duct Sizes	Frame Types
305 x 305	305 x 305	102, 127, 152, 178, 203	1, 2, 3, 4
610 x 610	610 x 610	152, 203, 254, 305, 356, 381	1, 2, 3, 4
610 x 610 (Panel)	305 x 305	102, 127, 152, 178, 203	2, 3, 4

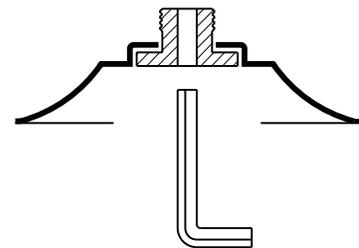
Adjusting Optional Damper • Removing Center Cone



1. Remove center pin.



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



3. To remove center cone, insert 8 hex key (by others) and unscrew center hub.

Accessories (Optional)

Check if provided

Model MD-75 Opposed Blade Damper
 Model MEG Equalizing Grid

① Model MD-75 damper is available in 152, 178, 203, 254 and 305 millimeter duct sizes only.

Model MAG-75 Opposed Blade Damper
 Model MEG Equalizing Grid

Size	B
152-305	38
356, 381	54

② Model MAG-75 damper is available in 152, 178, 203, 254, 305, 356, and 381 millimeter duct sizes only.

Model MAG-85 Butterfly Damper
 Model MEG Equalizing Grid

③

Model MAG-65 Combination Damper and Equalizing Grid

④

Model MD-100 Radial Sliding Blade Damper
 Model MEG Equalizing Grid

⑤ Model MD-100 damper is available in duct sizes 152, 203, 254, 305 and 356 millimeter duct sizes only.

Model MAG-100 Radial Sliding Blade Damper
 Model MEG Equalizing Grid

⑥ Model MAG-100 damper is available in duct sizes 152, 203, 254, 305 and 356 millimeter duct sizes only.

Dimension "A" in Millimeters, for Dampers Shown

Accessories	Nominal Round Duct Sizes						
	152	178	203	254	305	356	381
① MD-75	60	73	83	105	124	N/A	N/A
② MAG-75	70	83	92	114	137	70	76
③ MAG-85	64	76	89	114	140	165	178
④ MAG-65	86	102	114	140	181	219	229
⑤ MD-100	—	—	—	—	—	—	N/A
⑥ MAG-100	—	—	—	—	—	—	N/A

Notes ⑤ and ⑥:

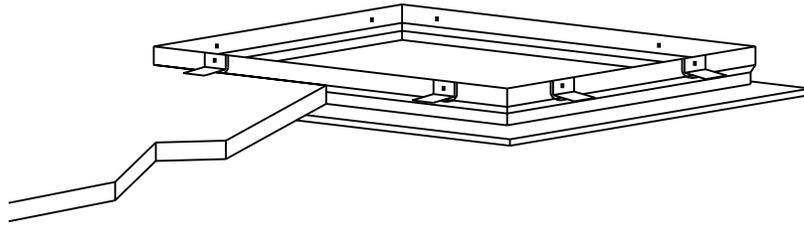
Model MD-100 and MAG-100 dampers have radial blades that slide in a horizontal plane. For that reason, no opening clearance "A" is dimensioned.

Other Accessories (Optional)

Check if provided

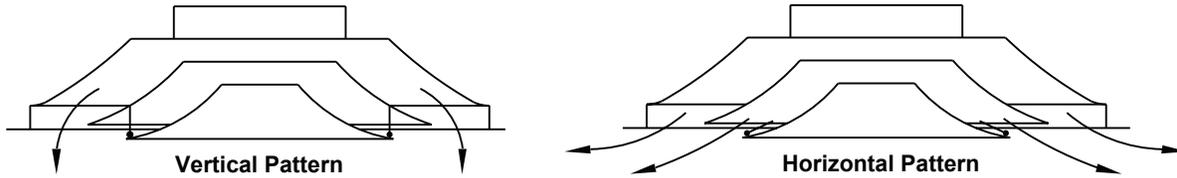
Model SB Sectorizing Baffles

TRM TITUS Rapid Mount Frame



For Surface Mounting Border Type 3

Model MTMSA Discharge Pattern



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

Standard Finish: #26 White

General Description

- Model MTMSA 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 jet maintains effective room air distribution even when air volume varies over a considerable range.

- The MTMSA 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 steel.



Note: This submittal is meant to demonstrate general dimensions of this product. The drawings 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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MD-31.0-S