

Introduction: 1400A Series

The 1400A series are square face, 4-cone, round neck ceiling diffusers with airflow pattern controllers between the cones, which change the discharge pattern from horizontal to vertical. They are available in a variety of frame styles to help meet the architectural requirements of today's ceilings. The spacing of the inner cones in relation to the backpan result in a design possessing anti-smudge characteristics, preventing the buildup of particles on the ceiling, which is achieved by minimizing the low pressure region inherent to most 4-way directional blow diffusers. The 1400A is typically used for spot heating or cooling applications in which airflow needs to be directed vertically in order to satisfy a specific load. It can also be applied as a seasonal air outlet device; adjusting for horizontal throw for cooling in warmer months and vertical throw for heating in colder months.

MODELS

- 1400A - Steel Louvered Diffuser
- 51400A - Aluminum Louvered Diffuser

PANEL SIZES

- 12"x12"
- 24"x24"

FINISHES

- Standard finish is #44 British White.
- Optional finishes available.



1400A

FEATURES

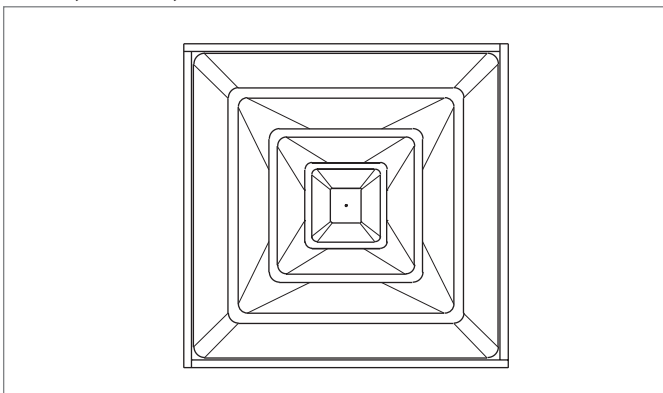
- Four cones for optimum airflow control.
- Adjustable airflow pattern controllers for vertical throw.
- Great choice for variable air volume spaces.
- Cones feature a one-piece stamped construction without mitered joints.
- Round neck for easy connection to round duct.
- Anti-smudge design prevents smeared ceilings.
- Two earthquake tabs are standard.

ACCESSORIES

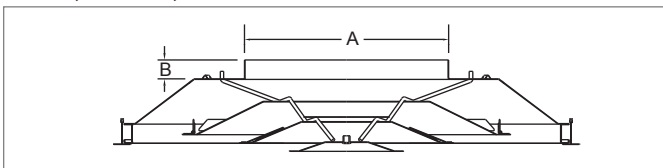
- Optional round damper.
- Optional insulated backpan (24"x24" only).

1400A, 51400A Dimensional Information

1400A, 51400A, FACE VIEW



1400A, 51400A, CROSS SECTION



1400A, 51400A, 12"x12" PANEL DETAIL

Nominal Neck Size	Actual Neck Size	1400A	51400A
	A	B	B
06	5 7/8" (149)	1 1/4" (32)	1 1/4" (32)
08	7 7/8" (200)	1 1/4" (32)	1 1/4" (32)

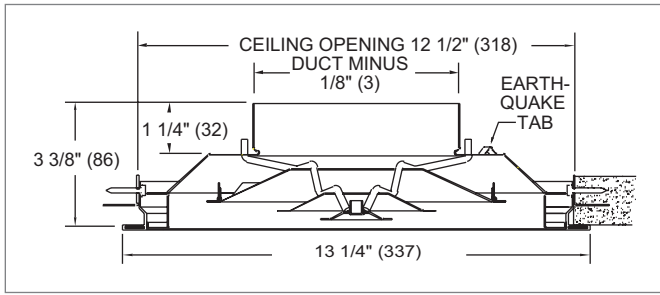
1400A, 51400A, 24"x24" PANEL DETAIL

Nominal Neck Size	Actual Neck Size	1400A	51400A
	A	B	B
06	5 7/8" (149)	1 1/4" (32)	1 1/2" (38)
08	7 7/8" (200)	1 1/4" (32)	1 1/2" (38)
10	9 7/8" (251)	1 1/2" (38)	1 1/2" (38)
12	11 7/8" (302)	1 1/2" (38)	1 1/2" (38)
14	13 7/8" (352)	1 1/2" (38)	1 1/2" (38)
15	14 7/8" (378)	1 1/2" (38)	1 1/2" (38)

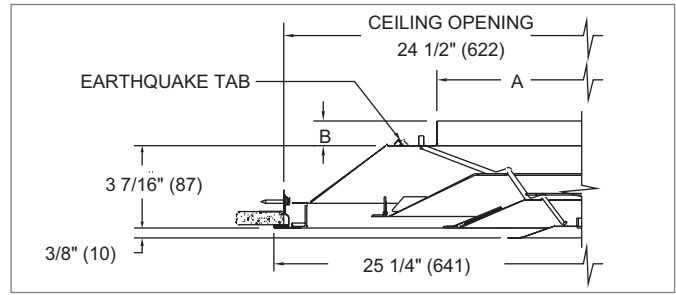
NOTE: Dimensions in parentheses are mm.

1400A, 51400A Frame Styles

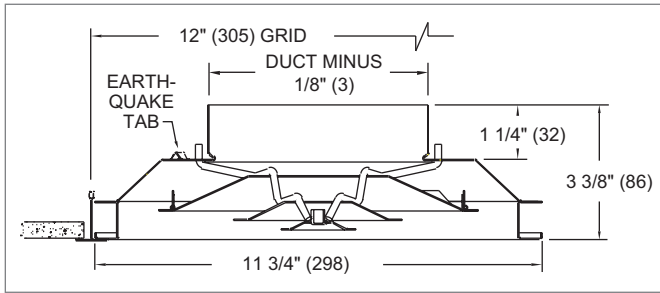
FRAME 22, SURFACE MOUNT, 12"x12" PANEL



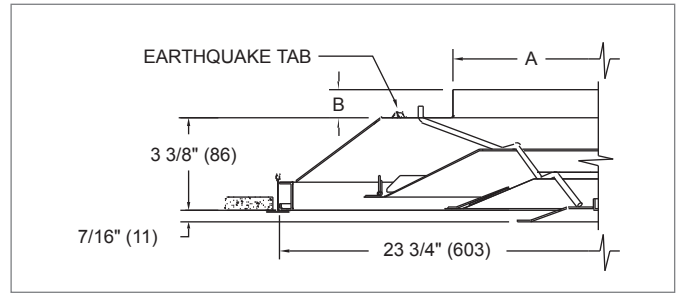
FRAME 22, SURFACE MOUNT, 24"x24" PANEL



FRAME 23, LAY-IN T-BAR, 12"x12" PANEL

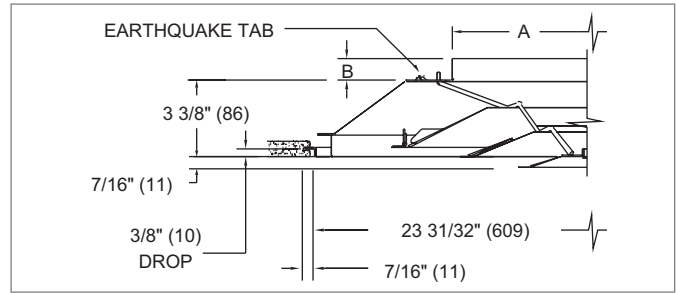


FRAME 23, LAY-IN T-BAR, 24"x24" PANEL

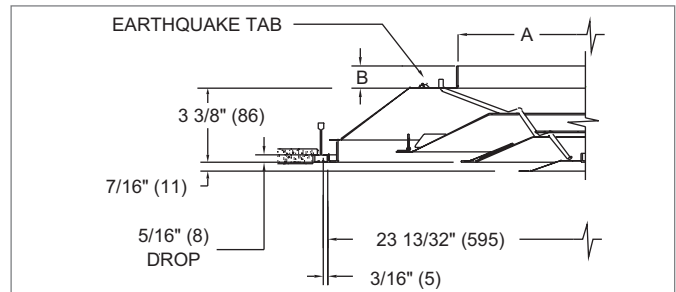


NOTES: Dimensions in parentheses are mm. For 'A' & 'B' dimensions, see page B1-15. Frame 22 includes separate surface mounting frame, as shown in the frame details on this page.

FRAME 27, SPLINE, 24"x24" PANEL



FRAME 98, NARROW-T, 24"x24" PANEL



LOUVERED FACE DIFFUSERS

1
4
0
0
A
-
5
1
4
0
0
A