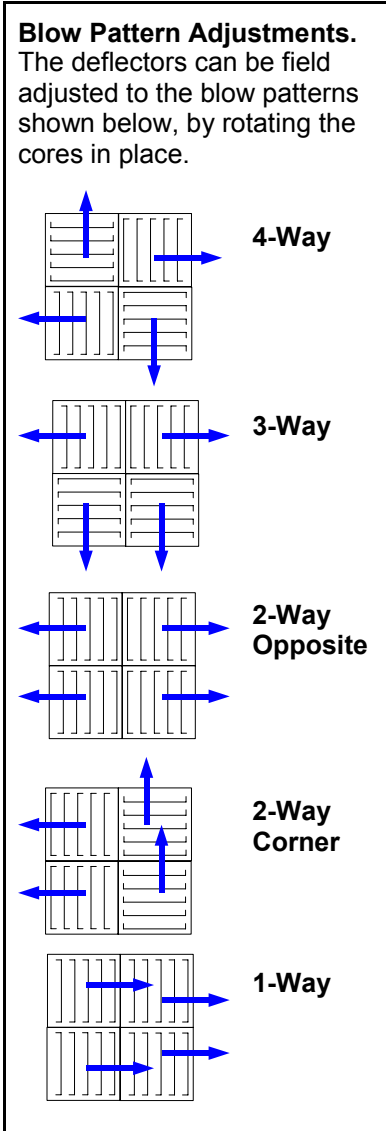
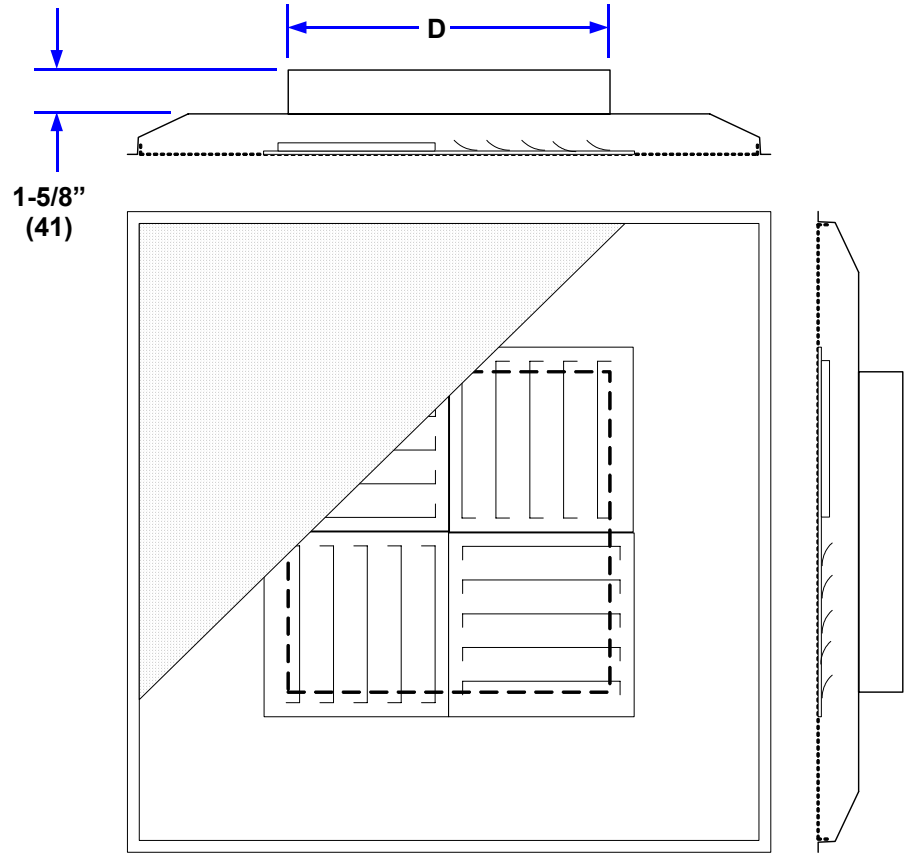
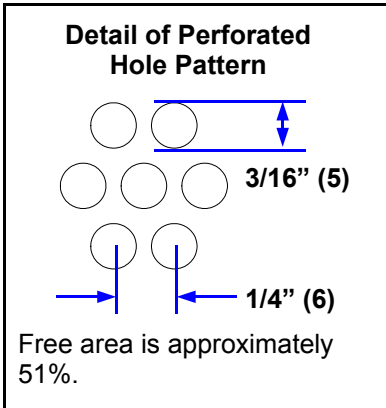


**Imperial (IP) Dimensions**  
*Metric (SI) in Parentheses*

**Model SPDB (Steel), SLDB (Aluminum)**  
**Perforated Face Supply Diffuser**  
**Square Inlet, On-The-Face Deflectors**

CARNES Company, 448 So. Main St, Verona, WI 53593 Phone (608)845-6411, Fax (608) 845-6470 Email: Carnes@carnes.com



**Notes:**

- Construction of SPDB is steel ceiling plate and steel face plate.
- Construction of SLDB is aluminum ceiling plate and aluminum face plate.
- Model SPDB is available with an aluminum face plate as an option.
- Metric dimensions are given in millimeters.
- Standard finish is electrocoat acrylic baked enamel.
- Standard color is #11 Bright White.
- Inlet is oversized by 1/8" (3) to fit over standard duct.
- 24" x 24" face T-bar frame (Frame 4) is shown above with standard face (Face C or A).

Nominal Face Size	Nominal Inlet Size	Inlet I.D. (D)
12" x 12" (305 x 305)	6" x 6" (152 x 152) 8" x 8" (203 x 203)	6-1/8" x 6-1/8" (156 x 156) 8-1/8" x 8-1/8" (206 x 206)
24" x 24" (610 x 610)	6" x 6" (152 x 152) 8" x 8" (203 x 203) 10" x 10" (254 x 254) 12" x 12" (305 x 305) 14" x 14" (356 x 356) 16" x 16" (406 x 406) 18" x 18" (457 x 457)	6-1/8" x 6-1/8" (156 x 156) 8-1/8" x 8-1/8" (206 x 206) 10-1/8" x 10-1/8" (257 x 257) 12-1/8" x 12-1/8" (308 x 308) 14-1/8" x 14-1/8" (359 x 359) 16-1/8" x 16-1/8" (410 x 410) 18-1/8" x 18-1/8" (460 x 460)

**Imperial (IP) Dimensions**  
Metric (SI) in Parentheses

**Model SPDB (Steel), SLDB (Aluminum)**  
**Perforated Face Supply Diffuser**  
**Square Inlet, On-The-Face Deflectors**

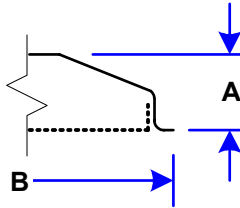
CARNES Company, 448 So. Main St, Verona, WI 53593 Phone (608)845-6411, Fax (608) 845-6470 Email: Carnes@carnes.com

### Standard T-Bar Mount

#### Frame 4

#### Standard Face C (Steel) or A (Aluminum)

- Fits 15/16" and 9/16" flat-face T-bar.
- Use with KXFA Auxiliary Frame for surface mount applications.



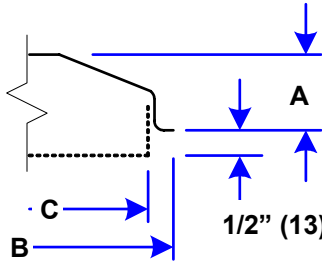
Nom. Face	12" x 12"	24" x 24"
Unit Height (A)	1-1/4" (32)	1-1/2" (38)
Unit Width (B)	11-3/4" (298)	23-3/4" (603)

### 15/16" Tegular Mount

#### Frame 4

#### Drop Face D (Steel) or B (Aluminum)

- Fits 15/16" and 9/16" flat-face T-bar.
- Fits 15/16" tegular ceilings.
- Use with KXFA Auxiliary Frame for surface mount applications.



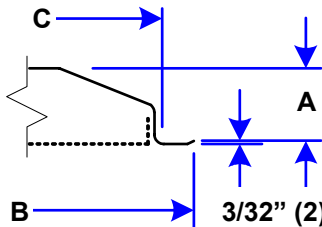
Nom. Face	12" x 12"	24" x 24"
Unit Height (A)	1-1/4" (32)	1-1/2" (38)
Unit Width (B)	11-3/4" (298)	23-3/4" (603)
Face Width (C)	11" (279)	23" (584)

### Surface Mount

#### Frame 2

#### Standard Face C (Steel) or A (Aluminum)

- For use with hard duct or special mounting by contractor.
- Not available with 24" x 24" aluminum ceiling plate.



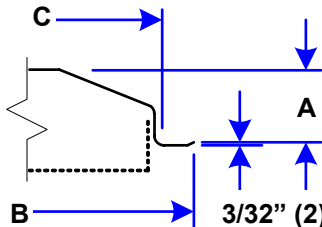
Nom. Face	12" x 12"	24" x 24"
Unit Height (A)	1-3/16" (30)	1-7/16" (37)
Unit Width (B)	12-1/2" (318)	24-1/2" (622)
Rec. Ceiling Opening (C)	11" (279)	23" (584)

### Surface Mount with Drop Face

#### Frame 2

#### Drop Face D (Steel) or B (Aluminum)

- For use with hard duct or special mounting by contractor.
- Not available with 24" x 24" aluminum ceiling plate.
- Face projects 1/2" (13) below ceiling plate.



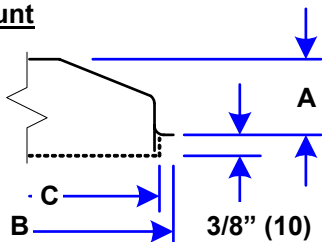
Nom. Face	12" x 12"	24" x 24"
Unit Height (A)	1-3/16" (30)	1-7/16" (37)
Unit Width (B)	12-1/2" (318)	24-1/2" (622)
Rec. Cing. Opening (C)	11" (279)	23" (584)

### Donn® Finline® Style and 9/16" Tegular Mount

#### Frame 9

#### Standard Face C (Steel) or A (Aluminum)

- Fits Donn® Finline® style ceilings.
- Fits 9/16" tegular ceilings.



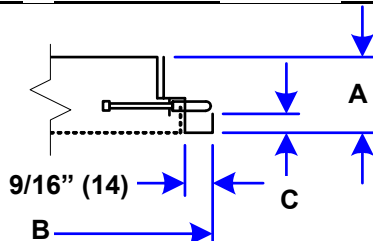
Nom. Face	12" x 12"	24" x 24"
Unit Height (A)	1-3/16" (30)	1-7/16" (37)
Unit Width (B)	12-1/2" (318)	24-1/2" (622)
Face Width (C)	11-3/8" (289)	23-3/8" (594)

### Concealed Spline Mount

#### Frame 8

#### Standard Face C (Steel) or A (Aluminum)

- Fits concealed spline ceilings.
- Sliding pin locks ceiling plate to grid.
- Pin is concealed for architectural appeal.



Nom. Face	12" x 12"	24" x 24"
Unit Height (A)	1-3/16" (30)	1-7/16" (37)
Unit Width (B)	11-31/32" (304)	23-31/32" (609)
Drop (C)	3/8" (10)	3/8" (10)