

# PRICE<sup>®</sup>

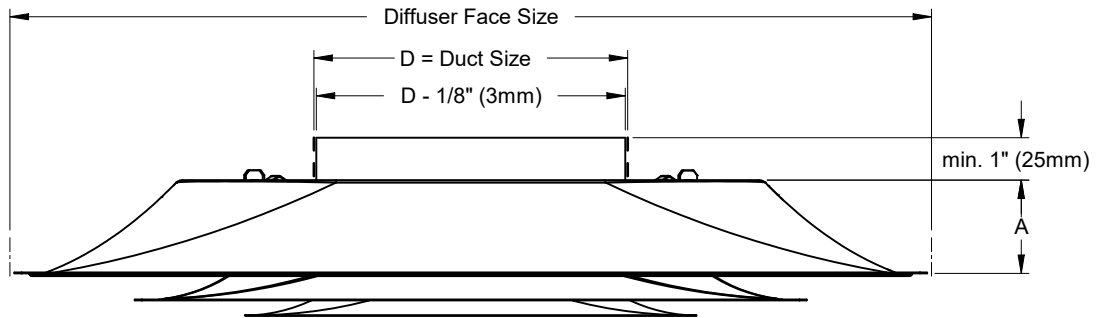
## SUBMITTAL DRAWING



**TMS JOHNSON**  
*Trusted Partner • Reliable Solutions*

TMS Johnson, Inc. | 763-544-5442 | [www.tmsj.com](http://www.tmsj.com)  
Twin Cities: 2908 Nevada Ave N, New Hope, MN 55427  
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**SCD, ASCD Square Cone Diffuser**



**STANDARD CONSTRUCTION:**

- SCD - Steel construction
- ASCD - Aluminum construction

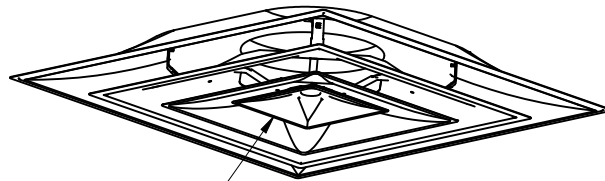
**FINISH:**

- B12 - Standard White

Optional Finishes Available:

- Optional colors
- Custom colors
- Armstrong coordinated colors

See finishes brochure for additional information. Contact your PRICE representative for leadtimes and pricing



Optional 4th Cone

**NOTES:**

- 20" x 20" & 500mm x 500mm available in style 31 only
- ASCD available with style 31 and 17 only
- Dampers and sectorizing baffles ship loose
- For 9/16" flat tee installation with style 31 frame, cross-tees must be firmly secured. Locking any unopposed cross tees to the main beam with clips such as Armstrong STAC is recommended. Corner clips from ceiling suppliers may also be used, or order 916 clip in GRD-PARTS (confirming fit with ceiling on site is recommended).
- Factory tolerance ± 1/32" (1mm)

**DAMPERS:**

- VCR7 - Radial opposed blade steel damper (N/A with 4", 5", or 7" inlets)
- VCR8 - Full Flow duct mounted steel damper
- VCR8E - Full Flow diffuser mounted steel damper
- VCR9 - Radial diffuser mounted steel damper (N/A with 4", 5", 7", or 15" inlets)

**SB - SECTORIZING BAFFLE:**

- Steel construction -
- 90 - 3 Way pattern
  - 180 - 2 Way pattern
  - 270 - 1 Way pattern
- (N/A if a damper is selected)



**OPTIONS:**

- R6 - Insulated Backpan (style 31 or 4TS, N/A with 20"x20" or 500mm x 500mm)
  - AFI - 1/2" fiberglass with foil/scrim vapor barrier insulated backpan (style 31, 20"x20" or 500mm x 500mm only)
  - BN - Beaded Inlet Neck with extended depth (2 1/2" (64mm)). Not available on ASCD
  - FC - Fixed core is available only for 24"x24" & 600mm x 600mm styles 17 & 31. For surface mount installation use of plaster frame is recommended.
  - RC - Removable core is available for all sizes and styles
  - 4C - 4th cone (24"x24" and 600mm x 600mm units only)
  - MRI - aluminum construction. Available for ASCD 24"x24" & 600mm x 600mm, styles 31 & 17 only. Not available with 4th cone, dampers, EHT or sectorizing baffle options.
- Hangers
- Integral hanger loops (standard)
  - EHT - Extended hanger tabs

Diffuser Face Size	Ceiling Opening	A	Duct Size											
			4"	5"	6"	7"	8"	10"	12"	14"	15"			
12" x 12"	10 1/2" x 10 1/2"	1 1/8"	•	•	•	•	•							
20" x 20"	18" x 18"	2 1/2"			•		•	•						
24" x 24"	22" x 22"	2 1/2"			•		•	•	•	•	•	•	•	•
300mm x 300mm	249mm x 249mm	29mm	•	•	•	•	•							
500mm x 500mm	449mm x 449mm	64mm			•		•	•						
600mm x 600mm	549mm x 549mm	64mm			•		•	•	•	•	•	•	•	•

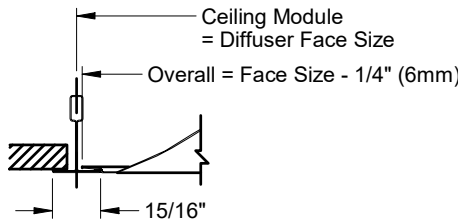
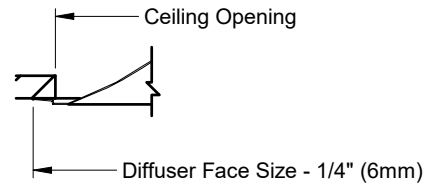
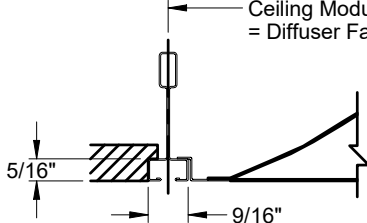
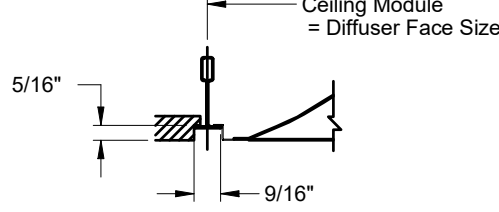
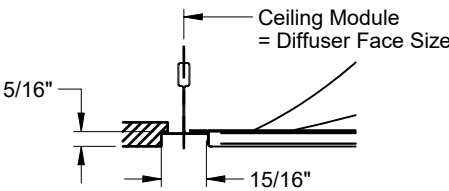
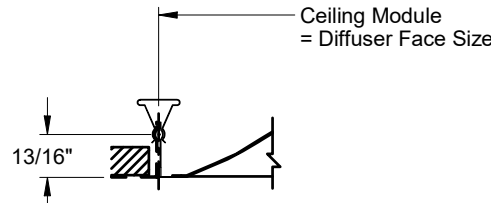
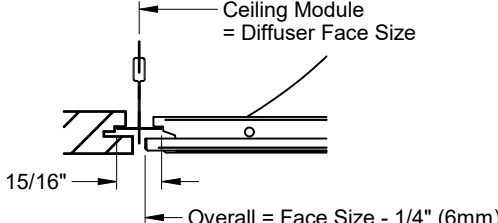
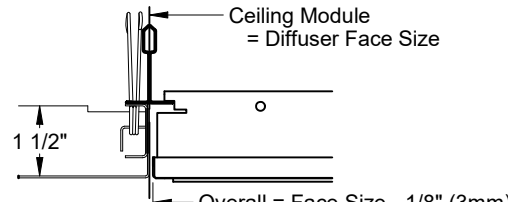
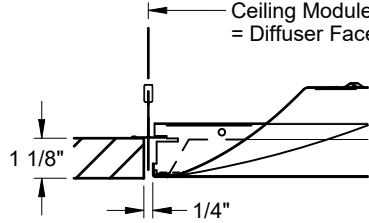
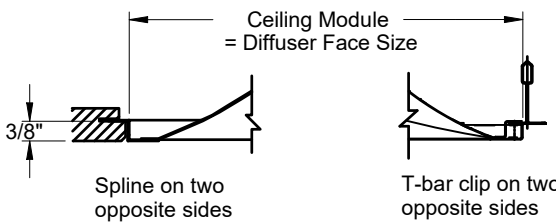
• indicates available inlet size

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.



<b>PROJECT:</b>		 <b>SCD / ASCD</b> <b>SQUARE CONE</b> <b>DIFFUSER</b>
<b>ENGINEER:</b>		
<b>CUSTOMER:</b>		
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>	
		 <b>218772</b> 2022-06-23

**SCD, ASCD Square Cone Diffuser**

**Lay-in & Surface Mount Frames:**

<p><input type="checkbox"/> 31 - 15/16" T-Bar Lay-In</p>  <p>Ceiling Module = Diffuser Face Size Overall = Face Size - 1/4" (6mm) 15/16"</p>	<p><input type="checkbox"/> 31 - Surface Mount</p>  <p>Ceiling Opening Diffuser Face Size - 1/4" (6mm)</p>
<p><input type="checkbox"/> 17 - 9/16" Bolt Slot T-bar</p>  <p>Ceiling Module = Diffuser Face Size 5/16" 9/16"</p>	<p><input type="checkbox"/> 17 - 9/16" T-regular T-Bar</p>  <p>Ceiling Module = Diffuser Face Size 5/16" 9/16"</p>
<p><input type="checkbox"/> 15 - 15/16" T-regular T-Bar (24" x 24" only)</p>  <p>Ceiling Module = Diffuser Face Size 5/16" 15/16"</p>	<p><input type="checkbox"/> 2 - Snap-In</p>  <p>Ceiling Module = Diffuser Face Size 13/16"</p>
<p><input type="checkbox"/> AV - Armstrong Vector (24" x 24" and 600mm x 600mm only)</p>  <p>Ceiling Module = Diffuser Face Size 15/16" Overall = Face Size - 1/4" (6mm)</p>	<p><input type="checkbox"/> AM - for ARMSTRONG METALWORKS Torsion Spring Ceilings (24"x24" only)</p>  <p>Ceiling Module = Diffuser Face Size 1 1/2" Overall = Face Size - 1/8" (3mm)</p>
<p><input type="checkbox"/> 4TS - for Certainteed Techstyle (24"x24" only)</p>  <p>Ceiling Module = Diffuser Face Size 1 1/8" 1/4"</p>	<p><input type="checkbox"/> 4 - Spline</p>  <p>Ceiling Module = Diffuser Face Size 3/8" Spline on two opposite sides T-bar clip on two opposite sides</p>

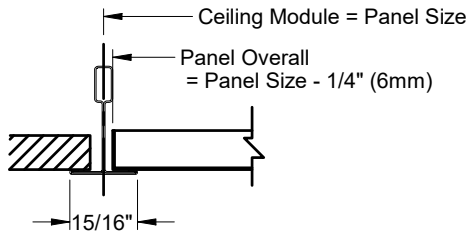
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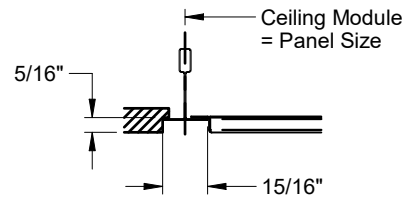
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**Lay-in Panels: Available in SCD only**

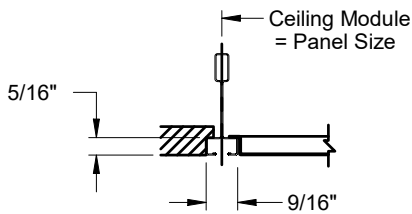
3P - 15/16" T-Bar Lay-In



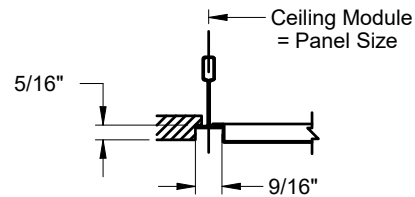
15P - 15/16" Tegular T-bar



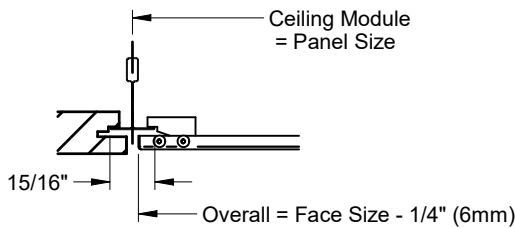
17P - 9/16" Bolt Slot T-bar



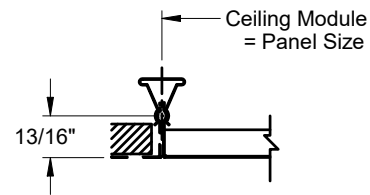
17P - 9/16" Tegular T-Bar



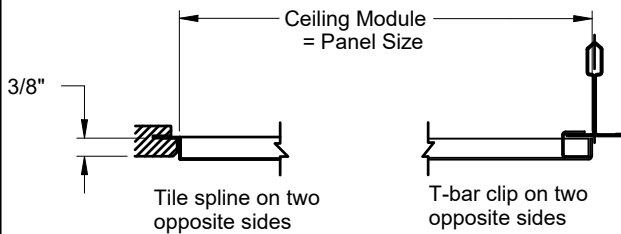
AVP - Armstrong Vector Panel



2P - Snap-In



4P - Spline



**PANEL SIZE:**

12" x 12" face size:

- 24" x 12" panel
- 16" x 16" panel
- 20" x 20" panel
- 24" x 24" panel
- 48" x 12" panel

300mm x 300mm face size:

- 600mm x 300mm panel
- 400mm x 400mm panel
- 500mm x 500mm panel
- 600mm x 600mm panel
- 1200mm x 300mm panel

24" x 24" face size:

- 30" x 30" panel
- 48" x 24" panel

600mm x 600mm face size:

- 750mm x 750mm panel
- 1200mm x 750mm panel

- Styles 15P and AVP panels available in 12"/300mm face sizes, 24" x 12", 24" x 24", 600mm x 300mm and 600mm x 600mm panel sizes only



Scan for link to additional product information

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