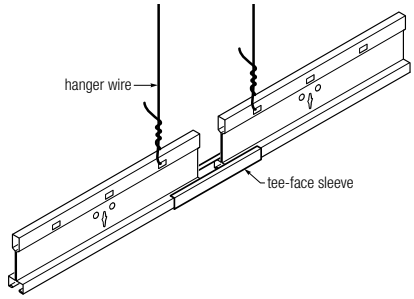
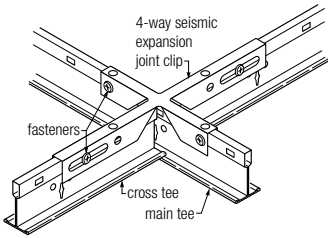


# Seismic Accessories

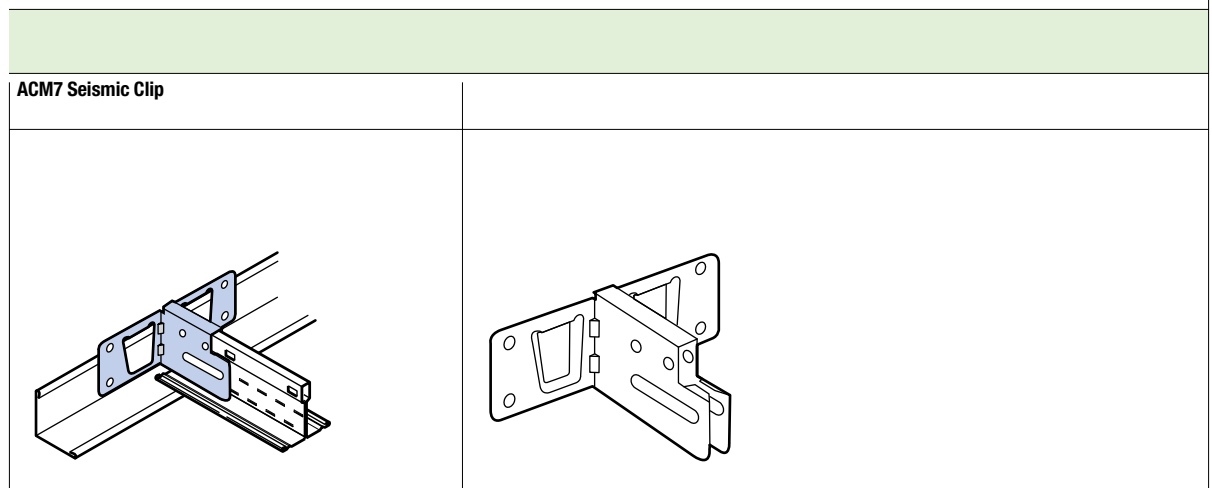
Since 1957 DOWN suspension systems have set the standard worldwide for the ceiling suspension industry. DOWN systems are readily available in all markets, and they install faster and maintain modularity (squareness) better than any other system. The following pages present seismic accessory items available from CGC, which are engineered and tested to help you design and install code-compliant ceilings with minimum effort and complete peace of mind.

Seismic Accessories	
Catalog Number	Description
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Tee-face sleeves</b></p>  </div> <div style="text-align: center;"> <p><b>Seismic expansion clip</b></p>  </div> </div>	
ACM7	Seismic Attachment Clip-to-Wall Angle
DH4	4-Way Seismic Expansion Joint Clip
TFS-1	Tee-Face Sleeve (3" long) for 15/16" DX/DXL Systems
TFS-2	Tee-Face Sleeve (3" long) for 9/16" CENTRICITEE DXT Systems
TFS-3	Tee-Face Sleeve (3" long) for FINELINE DXF Systems with 1/4" Reveal
TFS-4	Tee-Face Sleeve (3" long) for FINELINE 1/8 DXFF Systems with 1/8" Reveal

# Donn ACM7 Seismic Clip

7/8" Moulding

The DONN ACM7 seismic clip is designed to provide a more robust hold than traditional L-shaped seismic clips by other manufacturers. The ACM7 clip features a saddle that fits securely over the tee bulb and fastens to the tee web. The clip has two tow wings that connect to the wall moulding on each side of the tee with screws and friction-fit tabs. Either wing can be snipped off to fit corners or tight spaces. And, the clip adjusts easily to accommodate tees that intersect the wall at an angle other than 90 degrees. The ACM7 clip sustained tremendous forces in tension and compression testing, far greater than would be experienced in a seismic event.



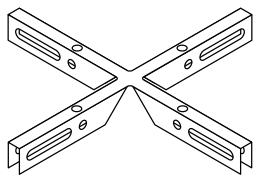
ACM7 Seismic Clip Performance	Test	Failure Criteria	Result
	Tension Test	Tee fallout/ separation from clip.	> 500.45 load (lbs.). Test stopped at this load, with clip still attached to tee; failure load will exceed this level.
Compression Test	Tee fallout/ separation from clip.	> 324.75 load (lbs.). Test stopped at this load, with clip still attached to tee, maintaining 3/4" clearance from wall; failure load will exceed this level.	

Traditional L-shaped clips attach to only one side of the tee web and do not fit over the tee bulb. And, they attach to the moulding with only a friction fit, not fasteners, which are required in IBC seismic design categories D, E, and F. With so few contact points and no fasteners on the moulding, tees may shift during installation, causing misalignments that can prolong the inspection process, delay approvals and risk system failure in a seismic event.



# Suspension Systems

## Description

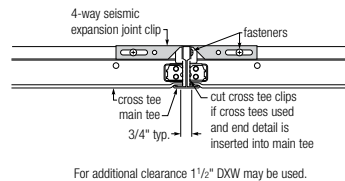
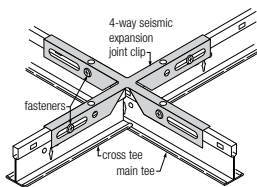


The DONN® brand DH4 seismic expansion joint clip is designed to provide the most robust hold in the most stringent seismic design categories.

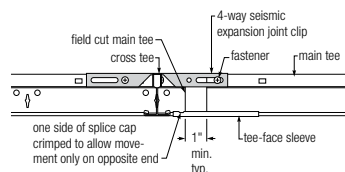
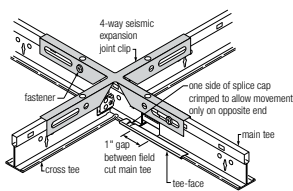
## Construction

### 4-Way Seismic Expansion Joint Clip

A one-piece, multidirectional fastener with a slot that secures the tee while allowing expansion-joint movement. This clip sits on top of the bulb, avoiding interference with light fixtures and ceiling panels.



### 4-Way Seismic Expansion Joint Clip Alt.



## Features & Benefits

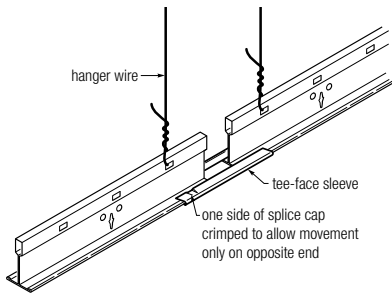
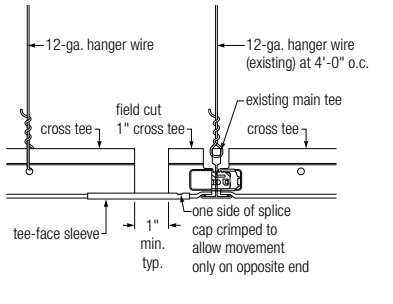
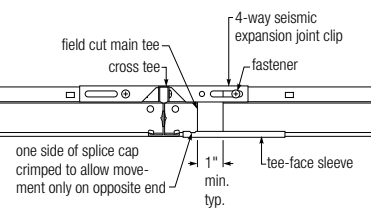
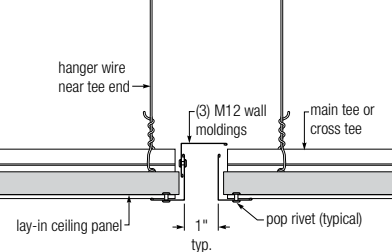
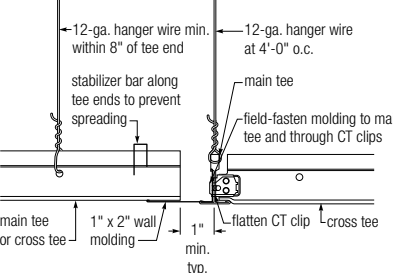
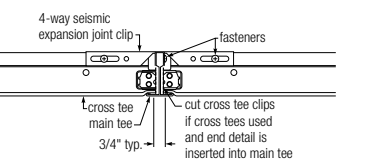
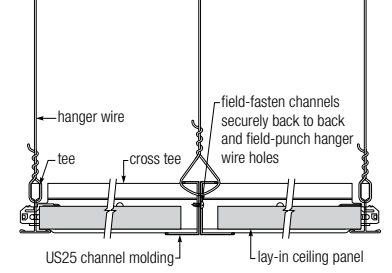
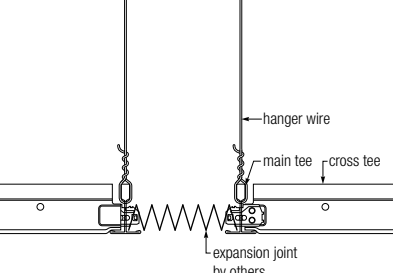
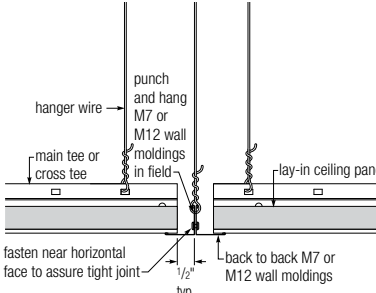
- Meets or exceeds all national code requirements.
- Fulfills requirements for IBC Seismic Design Categories A, B, C, D, E and F.
- Provides evidence of compliance (and greatly exceeds) ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368 requirements.
- Clip placement is over the bulb of the tee and does not interfere with light fixtures.
- Fastener holes and expansion slots enable fail-safe installation.
- Nondirectional and can be used on either main tees or cross tees.
- No special fasteners are required.
- Maintains squareness and strength of suspension system.
- One-piece, solid construction.
- Laboratory certified to greatly exceed all structural and seismic requirements including tension, compression and tee fallout.
- Offers an aesthetically attractive option to traditional control joints. Maintains clean, uninterrupted look.
- Can be used with both heavy-duty and intermediate-duty systems in IBC Seismic Design Categories A, B, C, D, E and F.
- Lifetime limited warranty.

## Applications

- All interior general use areas.
- With intermediate and heavy-duty DONN suspension systems, AX, DX®/DXL™, FINELINE® (DXF), FINELINE® 1/8 (DXFF), CENTRICITEE™ (DXT), CE (Controlled Environment), DXW and ZXLA™ (Environmental). DONN ACM7 seismic clip solutions include the code-compliant heavy-duty and intermediate-duty main tee required for Seismic Design Categories A, B, C, D, E and F.

# Seismic Separation Joints

When a seismic separation joint is required, CGC offers several options that satisfy requirements for installations in IBC seismic design categories A, B, C, D, E, and F. CGC conducted full-scale testing and evaluation to qualify the performance of these systems. Practical, easy to install, and designed for minimal visibility, **Down** seismic separation joints represent the best and greatest range of options to satisfy the stringent requirements for all seismic installations.

<p><b>Tee-Face (Main Tee or Cross Tee) Sleeve</b> Available for DX/DXL, DXT, and DXF/DXFF.</p>  <p>hanger wire</p> <p>tee-face sleeve</p> <p>one side of splice cap crimped to allow movement only on opposite end</p>	<p><b>Tee-Face (Cross Tee) Sleeve</b></p>  <p>12-ga. hanger wire</p> <p>field cut</p> <p>1" cross tee</p> <p>existing main tee</p> <p>cross tee</p> <p>tee-face sleeve</p> <p>1" min. typ.</p> <p>one side of splice cap crimped to allow movement only on opposite end</p>	<p><b>4-Way Seismic Expansion Joint Clip</b></p>  <p>field cut main tee</p> <p>cross tee</p> <p>4-way seismic expansion joint clip</p> <p>fastener</p> <p>one side of splice cap crimped to allow movement only on opposite end</p> <p>1" min. typ.</p> <p>tee-face sleeve</p>
<p><b>Expansion Joint – M12 Moulding</b></p>  <p>hanger wire near tee end</p> <p>(3) M12 wall moldings</p> <p>main tee or cross tee</p> <p>lay-in ceiling panel</p> <p>1" typ.</p> <p>pop rivet (typical)</p>	<p><b>Expansion Joint – M20 Moulding</b></p>  <p>12-ga. hanger wire min. within 8" of tee end</p> <p>stabilizer bar along tee ends to prevent spreading</p> <p>12-ga. hanger wire at 4'-0" o.c.</p> <p>main tee</p> <p>field-fasten molding to main tee and through CT clips</p> <p>main tee or cross tee</p> <p>1" x 2" wall molding</p> <p>1" min. typ.</p> <p>flatten CT clip</p> <p>cross tee</p>	<p><b>4-Way Seismic Expansion Joint Clip</b></p>  <p>4-way seismic expansion joint clip</p> <p>fasteners</p> <p>cross tee</p> <p>main tee</p> <p>cut cross tee clips if cross tees used and end detail is inserted into main tee</p> <p>3/4" typ.</p>
<p><b>Expansion Joint – US28 Moulding</b></p>  <p>hanger wire</p> <p>tee</p> <p>cross tee</p> <p>field-fasten channels securely back to back and field-punch hanger wire holes</p> <p>US25 channel molding</p> <p>lay-in ceiling panel</p>	<p><b>Expansion Joint – Accordion-Style</b></p>  <p>hanger wire</p> <p>main tee</p> <p>cross tee</p> <p>expansion joint by others</p>	<p><b>Expansion Joint – M7 Moulding</b></p>  <p>hanger wire</p> <p>main tee or cross tee</p> <p>punch and hang M7 or M12 wall moldings in field</p> <p>lay-in ceiling panel</p> <p>fasten near horizontal face to assure tight joint</p> <p>1/2" typ.</p> <p>back to back M7 or M12 wall moldings</p>