This fully accessible and flexible system allows you to support heavy point loads to provide a solution for every type of data center.

**KEY SELECTION ATTRIBUTES**

- Ideal combination of a finished ceiling system with a structural solution
- Provides a suspension platform or attachment for data center cable trays, equipment, partitions and hot and cold aisle containment barriers from building structure to below the ceiling plane
- Finished ceiling system offers a containment barrier to protect servers from debris
- Easy integration into a conventional grid system using AXTBC clip and DynaMax™ boss channels
- DynaMax suspension systems can integrate seamlessly with Armstrong® ceiling panels for a complete ceiling system solution
- Lighting integration solutions available
- Supports up to a 900 lb. point load rating using 3/8" threaded rod at 4' x 4' connection points
- Factory cut notches on main beams for a faster and easier installation
- Suspension system has continuous threaded boss channel, allowing 3/8" threaded rod to be installed to the suspension system at any location
- Controls airflow by eliminating penetrations
- Available in 2 x 2', 2 x 4' and 4 x 4' suspension system layouts
- CNC override feature creates a tight fit minimizing air leakage between plenum and occupied space
- Fully accessible system allows for future expansion and upgrades
- Non progressive installation gives the ability to remove or replace a section of the system without the need to dismantle those components around it
- Cross tees not bearing any load are removable for plenum access without compromising the structural integrity of the system
- 10 year limited warranty
- X-Brackets installed on DynaMax grid provide attachment points for 4' x 4' suspension from building structure

Ceiling panels are specially sized and engineered for the DynaMax™ suspension system and must be used with the system. These panels do not fit in other suspension systems.

**VISUAL SELECTION**

**PACKAGING**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Pcs./Ctn.</th>
<th>Lin. Ft./Ctn.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM4301</td>
<td>Main Beam</td>
<td>144 x 2 x 2.44&quot;</td>
<td>4</td>
<td>48</td>
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<td>DM4340</td>
<td>4’ Cross Tee</td>
<td>48 x 2 x 2.44&quot;</td>
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<td>DM4320</td>
<td>2’ Cross Tee</td>
<td>24 x 2 x 2.44&quot;</td>
<td>12</td>
<td>24</td>
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<td>DM4800</td>
<td>Perimeter Molding</td>
<td>144 x 2-1/8 x 2-1/2&quot;</td>
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</tbody>
</table>

**ACCESSORIES**

- DMXB – X-Bracket
  - Used to connect all cross tees together for rigid connection
  - DMXB – 24 pcs

- DMIB – I-Bracket
  - Used to splice together main beam ends
  - DMIB – 12 pcs

- DMTB – T-Bracket
  - Used to connect main beams and cross tees to the perimeter extrusion
  - DMTB – 36 pcs

- DMLB – L-Bracket
  - Used to connect perimeter extrusion corners together
  - DMLB – 12 pcs

- DMHDC – Hold Down Clip
  - Attaches to the suspension system to hold Lay-in panels in place
  - DMHDC – 100 pcs

- DMHWK – Hardware Kit
  - Turnbuckles and threaded rods are used to connect the X-Brackets to the threaded rod to create a structural support for the grid
  - DMHWK – 12 pcs
### VISUAL SELECTION

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions Actual (Inches)</th>
<th>UL Classified Acoustics</th>
<th>Fire Performance</th>
<th>Light Reflect</th>
<th>Anti-Mold &amp; Mildew</th>
<th>Sag Resist</th>
<th>Recycled Content</th>
<th>Durability</th>
<th>Recycled Program</th>
<th>10-Yr Warranty</th>
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</thead>
<tbody>
<tr>
<td>Square Lay-in</td>
<td>4126</td>
<td>Fine Fissured</td>
<td>23 x 23 x 5/8&quot;</td>
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<tr>
<td></td>
<td>4126BL</td>
<td>Fine Fissured</td>
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<td>4127</td>
<td>Fine Fissured</td>
<td>47 x 23 x 5/8&quot;</td>
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<td>2896</td>
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<td>1807</td>
<td>Ultima</td>
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<td>1808</td>
<td>Ultima</td>
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</tr>
</tbody>
</table>

*These panels are specially sized and engineered for the DynaMax™ suspension system and must be used with the system. These panels do not fit in other suspension systems.

### ALLOWABLE LOAD CHART

<table>
<thead>
<tr>
<th>Member Span (ft)</th>
<th>4ft</th>
<th>5ft</th>
<th>6ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allowable Uniform Area Load (lb/sf)*</td>
<td>56.25</td>
<td>45.00</td>
<td>37.50</td>
</tr>
<tr>
<td>Mid-Span Point Load @ L/360 Deflection (lb)</td>
<td>320</td>
<td>200</td>
<td>140</td>
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<tr>
<td>Ultimate Mid-Span Point Load</td>
<td>730</td>
<td>590</td>
<td>400</td>
</tr>
</tbody>
</table>

*Assumes loads applied under threaded rod support brackets
DYNAMAX™ Structural Aluminum Data Center Suspension System

DYNAMAX™ SUSPENSION SYSTEM INSTALLATION OVERVIEW

**Main Beam**
Structural grid main beam

**2ft and 4ft Cross Tee**
Structural cross tee connect between main beams and accepts 3/8-16” threaded rod

**I-Bracket**
Used to splice together main beam ends

**Turnbuckles and Threaded Rods**
Used to connect to X-brackets to create a structural support for the grid

**X-Bracket**
Used to connect all cross tees together for rigid connection

**T-Bracket**
Used to connect main beams and cross tees to the perimeter extrusion

**L-Bracket**
Used to connect perimeter extrusion corners together

**Perimeter**
Structural perimeter trim

**Cable tray by other**

**DETAILS**

**COLOR SELECTION**
Due to printing limitations, shade may vary from actual product.

Available in any color!

**PHYSICAL DATA**

**Material**
Aluminum

**Surface Finish**
Powder coated

Manufactured and tested in accordance with ASTM C635 and E3090

**Face Dimension**
2”

**Profile**
Exposed tee

**Cross Tee/Main Beam Interface**
Override

**End Detail**
Main Beam: Butt cut
Cross Tee: Override

**Duty Classification**
Heavy-duty

White is standard color for main beams and cross tees.
All clips are unfinished.
Custom colors and finishes are available for main beams, cross tees, and load connector clips to coordinate with Create!™ ceiling panels and custom project colors.
Contact Armstrong Customer Service 877 276-7876

Due to printing limitations, shade may vary from actual product.

**White (Wh)**
Available in any color!