**Furring / Hat Channel**

Product category: 7/8" Furring / Hat Channel - 25ga (18mils)
Product name: 087F125-18 (33ksi, G40EQ)
Coating: G40EQ (G40 or G60 available)

**Geometric Properties**
- Depth: 0.875 in
- Width: 1.250 in
- Design Thickness: 0.0188 in
- Min. steel thickness: 0.0179 in
- Yield stress, Fy: 33ksi
- Ultimate, Fu: 45ksi

**Gross Section Properties of Full Section, Strong Axis**
- Cross sectional area (A): 0.072 in(^2)
- Member weight per foot of length: 0.244 lb/ft
- Moment of inertia (lx): 0.009 in(^4)
- Radius of gyration (Rx): 0.354 in
- Gross moment of inertia (ly): 0.035 in(^4)
- Gross radius of gyration (Ry): 0.698 in

**Effective Section Properties, Strong Axis**
- Moment of inertia for deflection (lx): 0.008 in(^4)
- Section modulus (Sx): 0.016 in(^3)
- Allowable bending moment (Ma): 26.61 ft-lb
- Allowable shear force (Va): 255 lb

**Product Data & Ordering Information:**
- Stock length: 10'-0" and 12'-0" long pieces
- Packaging: 10 pieces per bundle - 440 pieces per pallet
- Packaging weight: 25 lbs/bundle

**ASTM & Code Standards:**
- AISI North American Specification [NASPEC] S100-12
- Non-structural furring is produced to meet or exceed ASTM C645
- Galvanized sheet steel meets or exceeds requirements of ASTM A1003
- For installation & storage information refer to ASTM C754
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

**Furring / Hat Channel Allowable Ceiling Spans (Deflection: L/360)**

<table>
<thead>
<tr>
<th>Dead Load</th>
<th>4 psf</th>
<th>4 psf</th>
<th>6 psf</th>
<th>6 psf</th>
<th>13 psf</th>
<th>13 psf</th>
<th>13 psf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hat Spacing o.c.</td>
<td>12&quot;</td>
<td>16&quot;</td>
<td>24&quot;</td>
<td>12&quot;</td>
<td>16&quot;</td>
<td>24&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Single Span</td>
<td>4'-5&quot;</td>
<td>4'-0&quot;</td>
<td>3'-6&quot;</td>
<td>3'-10&quot;</td>
<td>3'-6&quot;</td>
<td>3'-1&quot;</td>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>Multiple Span</td>
<td>5'-6&quot;</td>
<td>5'-0&quot;</td>
<td>4'-4&quot;</td>
<td>4'-4&quot;</td>
<td>3'-10&quot;</td>
<td>3'-8&quot;</td>
<td>3'-4&quot;</td>
</tr>
</tbody>
</table>

For more ceiling span tables and table notes see:
https://www.clarkdietrich.com/products/drywall-framing/furring-channel-hat-channel

**Sustainability Credits:**
For more details and LEED letters contact Technical Services at 888-437-3244 or visit [www.clarkdietrich.com/LEED](http://www.clarkdietrich.com/LEED)

**LEED v4 MR Credit** -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

**LEED 2009 Credit MR 2 & MR 4** -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at ([info@clarkdietrich.com](mailto:info@clarkdietrich.com) / 888-437-3244)

**Project Information**
Name: 
Address: 

**Contractor Information**
Name: 
Contact: 
Phone: 
Fax: 

**Architect Information**
Name: 
Contact: 
Phone: 
Fax: 

087F125-18 © 10/2018 ClarkDietrich Building Systems