**Furring / Hat Channel**

Product category: 7/8" Furring / Hat Channel - 20ga DW (30mils)
Product name: 087F125-30 (33ksi, G40EQ)
Coating: G40EQ (G40 or G60 available)

**Geometric Properties**

- **Depth:** 0.875 in
- **Width:** 1.250 in
- **Design Thickness:** 0.0312 in
- **Min. steel thickness:** 0.0296 in
- **Yield stress, Fy:** 33ksi
- **Ultimate, Fu:** 45ksi

**Gross Section Properties of Full Section, Strong Axis**

- **Cross sectional area (A):** 0.118 in\(^2\)
- **Member weight per foot of length:** 0.401 lb/ft
- **Moment of inertia (Ix):** 0.014 in\(^4\)
- **Radius of gyration (Rx):** 0.350 in
- **Gross moment of inertia (ly):** 0.056 in\(^4\)
- **Gross radius of gyration (Ry):** 0.691 in

**Effective Section Properties, Strong Axis**

- **Moment of inertia for deflection (Ix):** 0.014 in\(^4\)
- **Section modulus (Sx):** 0.031 in\(^3\)
- **Allowable bending moment (Ma):** 50.98 ft-lb
- **Allowable shear force (Va):** 420 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:** 41 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 (psf)</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 (in)</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>
</tbody>
</table>
| Single Span     | 5'-5"| 4'-11"| 4'-3"| 4'-9"| 4'-3"| 3'-9"| 3'-8"| 3'-4"| 2'-11"
| Multiple Span   | 6'-8"| 6'-1"| 5'-3"| 5'-10"| 5'-3"| 4'-7"| 4'-6"| 4'-1"| 3'-7"

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

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 / 888-437-3244)

**Project Information**

Name: 
Address: 

**Contractor Information**

Name: 
Contact: 
Phone: 
Fax: 

**Architect Information**

Name: 
Contact: 
Phone: 
Fax: 

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