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 (Ix): 0.009 in(^4)
Radius of gyration (Rx): 0.354 in
Gross moment of inertia (Iy): 0.035 in(^4)
Gross radius of gyration (Ry): 0.698 in

Effective Section Properties, Strong Axis
Moment of inertia for deflection (Iy): 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>4 psf</th>
<th>6 psf</th>
<th>6 psf</th>
<th>6 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>
<td>16&quot;</td>
</tr>
<tr>
<td>Single span</td>
<td>4'-5&quot;</td>
<td>4'-0&quot;</td>
<td>3'-10&quot;</td>
<td>3'-6&quot;</td>
<td>3'-1&quot;</td>
<td>3'-0&quot;</td>
<td>2'-9&quot;</td>
<td>2'-5&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'-0&quot;</td>
<td>3'-10&quot;</td>
<td>3'-0&quot;</td>
<td>3'-4&quot;</td>
<td>2'-10&quot;</td>
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</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
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)