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 (iz): 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</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>
<th>13 psf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hat Spacing o.c.</td>
<td>24&quot;</td>
<td>18&quot;</td>
<td>12&quot;</td>
<td>24&quot;</td>
<td>18&quot;</td>
<td>12&quot;</td>
<td>24&quot;</td>
<td>18&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Single Span</td>
<td>5'-5&quot;</td>
<td>4'-11&quot;</td>
<td>4'-9&quot;</td>
<td>4'-3&quot;</td>
<td>3'-9&quot;</td>
<td>3'-8&quot;</td>
<td>3'-4&quot;</td>
<td>2'-11&quot;</td>
<td></td>
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<tr>
<td>Multiple Span</td>
<td>6'-8&quot;</td>
<td>6'-1&quot;</td>
<td>5'-3&quot;</td>
<td>5'-10&quot;</td>
<td>5'-3&quot;</td>
<td>4'-7&quot;</td>
<td>4'-6&quot;</td>
<td>4'-1&quot;</td>
<td>3'-7&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

Project Information
Name:
Address:

Contractor Information
Name:
Contact:
Phone:
Fax:

Architect Information
Name:
Contact:
Phone:
Fax: