Furring / Hat Channel

Product category: 7/8" Furring / Hat Channel - 18ga (43mils)
Product name: 087F125-43 (33ksi, CP60)
Coating: CP60 (G90 available)

Geometric Properties
- Depth: 0.875 in
- Width: 1.250 in
- Design Thickness: 0.0451 in
- Min. steel thickness: 0.0428 in
- Yield stress, Fy: 33ksi
- Ultimate, Fu: 45ksi

Gross Section Properties of Full Section, Strong Axis
- Cross sectional area (A): 0.168 in(^2)
- Member weight per foot of length: 0.572 lb/ft
- Moment of inertia (Ix): 0.020 in(^4)
- Radius of gyration (Rx): 0.345 in
- Gross moment of inertia (Iy): 0.079 in(^4)
- Gross radius of gyration (Ry): 0.684 in

Effective Section Properties, Strong Axis
- Moment of inertia for deflection (Ix): 0.020 in(^4)
- Section modulus (Sx): 0.043 in(^3)
- Allowable bending moment (Ma): 71.00 ft-lb
- Allowable shear force (Va): 599 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: 60 lbs/bundle

ASTM & Code Standards:
- AISI North American Specification [NASPEC] S100-12
- Structural furring is produced to meet or exceed ASTM C955
- Galvanized sheet steel meets or exceeds requirements of ASTM A1003
- For installation & storage information refer to ASTM C1007
- 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 Hat Spacing o.c.</th>
<th>4 pst 12&quot;</th>
<th>4 pst 16&quot;</th>
<th>4 pst 24&quot;</th>
<th>6 pst 12&quot;</th>
<th>6 pst 16&quot;</th>
<th>6 pst 24&quot;</th>
<th>13 pst 12&quot;</th>
<th>13 pst 16&quot;</th>
<th>13 pst 24&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Span</td>
<td>6'-0&quot;</td>
<td>5'-6&quot;</td>
<td>4'-9&quot;</td>
<td>5'-3&quot;</td>
<td>4'-9&quot;</td>
<td>4'-2&quot;</td>
<td>4'-1&quot;</td>
<td>3'-8&quot;</td>
<td>3'-3&quot;</td>
</tr>
<tr>
<td>Multiple Span</td>
<td>7'-5&quot;</td>
<td>6'-9&quot;</td>
<td>5'-11&quot;</td>
<td>6'-6&quot;</td>
<td>5'-11&quot;</td>
<td>5'-2&quot;</td>
<td>5'-0&quot;</td>
<td>4'-7&quot;</td>
<td>4'-0&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
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)