# Furring / Hat Channel

- **Product category**: 1-1/2" Furring / Hat Channel - 20ga DW (30mils)
- **Product name**: 150F125-30 (33ksi, G40EQ)
- **Coating**: G40EQ (G40 or G60 available)

## Geometric Properties
- **Depth**: 1.500 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)**: 0.157 in\(^4\)
- **Member weight per foot of length**: 0.534 lb/ft
- **Moment of inertia (Ix)**: 0.051 in\(^4\)
- **Radius of gyration (Rx)**: 0.568 in
- **Gross moment of inertia (ly)**: 0.085 in\(^4\)
- **Gross radius of gyration (Ry)**: 0.735 in

## Effective Section Properties, Strong Axis
- **Moment of inertia for deflection (Ix)**: 0.050 in\(^4\)
- **Section modulus (Sx)**: 0.064 in\(^3\)
- **Allowable bending moment (Ma)**: 105.92 ft-lb
- **Allowable shear force (Va)**: 429 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**: 54 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>6 psf</th>
<th>8 psf</th>
<th>10 psf</th>
<th>12 psf</th>
<th>14 psf</th>
<th>16 psf</th>
<th>18 psf</th>
<th>20 psf</th>
<th>22 psf</th>
<th>24 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>
<td>24&quot;</td>
<td>12&quot;</td>
<td>16&quot;</td>
</tr>
<tr>
<td>Single Span</td>
<td>8'-2&quot;</td>
<td>7'-5&quot;</td>
<td>6'-6&quot;</td>
<td>7'-2&quot;</td>
<td>6'-6&quot;</td>
<td>5'-8&quot;</td>
<td>5'-6&quot;</td>
<td>5'-0&quot;</td>
<td>4'-5&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiple Span</td>
<td>10'-1&quot;</td>
<td>9'-2&quot;</td>
<td>8'-0&quot;</td>
<td>8'-10&quot;</td>
<td>8'-0&quot;</td>
<td>7'-0&quot;</td>
<td>6'-10&quot;</td>
<td>6'-3&quot;</td>
<td>5'-5&quot;</td>
<td></td>
<td></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)