

## 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<sup>(^2)</sup>  
 Member weight per foot of length 0.401 lb/ft  
 Moment of inertia (Ix) 0.014 in<sup>(^4)</sup>  
 Radius of gyration (Rx) 0.350 in  
 Gross moment of inertia (Iy) 0.056 in<sup>(^4)</sup>  
 Gross radius of gyration (Ry) 0.691 in

### Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix) 0.014 in<sup>(^4)</sup>  
 Section modulus (Sx) 0.031 in<sup>(^3)</sup>  
 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](http://www.clarkdietrich.com/SupportDocs)

### Furring / Hat Channel Allowable Ceiling Spans (Deflection: L/360)

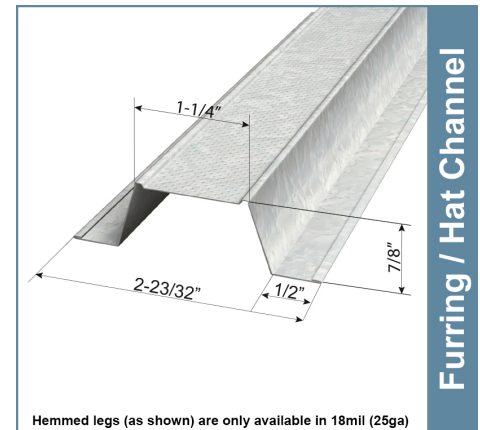
Dead Load Hat Spacing o.c.	4 psf 12"	4 psf 16"	4 psf 24"	6 psf 12"	6 psf 16"	6 psf 24"	13 psf 12"	13 psf 16"	13 psf 24"
Single Span	5'-5"	4'-11"	4'-3"	4'-9"	4'-3"	3'-9"	3'-8"	3'-4"	2'-11"
Multiple Span	6'-8"	6'-1"	5'-3"	5'-10"	5'-3"	4'-7"	4'-6"	4'-1"	3'-7"

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](http://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](mailto:info@clarkdietrich.com) / 888-437-3244)

## 09.22.16 (Non-Structural Metal Framing)



Hemmed legs (as shown) are only available in 18mil (25ga)

### Used in framing applications:

- Furring for walls & ceilings
- Furring out masonry walls
- Framing for drop ceilings assemblies

### Project Information

Name:  
 Address:

### Contractor Information

Name:  
 Contact:  
 Phone:  
 Fax:

### Architect Information

Name:  
 Contact:  
 Phone:  
 Fax: