

## Furring / Hat Channel

Product category 7/8" Furring / Hat Channel - 33mils (20ga STR)  
Product name 087F125-33 (33ksi)  
Coating CP60 per ASTM C955 (G90 Available)

### Geometric Properties

Depth 0.875 in  
Width 1.250 in  
Design Thickness 0.0346 in  
Min. steel thickness 0.0329 in  
Yield stress, Fy 33ksi  
Ultimate, Fu 45ksi

### Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A) 0.130 in<sup>2</sup>  
Member weight per foot of length 0.443 lb/ft  
Moment of inertia (Ix) 0.016 in<sup>4</sup>  
Radius of gyration (Rx) 0.349 in  
Gross moment of inertia (Iy) 0.062 in<sup>4</sup>  
Gross radius of gyration (Ry) 0.689 in

### Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix) 0.016 in<sup>4</sup>  
Section modulus (Sx) 0.034 in<sup>3</sup>  
Allowable bending moment (Ma) 56.23 ft-lb  
Allowable shear force (Va) 464 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 47 lbs/bundle

### ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-12
- ASTM C645 - Standard Specification for Nonstructural Steel Framing Members
- ASTM C955 - Standard Specification for Cold-Formed Steel Structural Framing Members
- ASTM A1003 - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members
- For installation & storage information refer to ASTM C754 or C1007
- 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'-7"	5'-1"	4'-5"	4'-10"	4'-5"	3'-10"	3'-9"	3'-5"	3'-0"
Multiple Span	6'-11"	6'-3"	5'-6"	6'-0"	5'-6"	4'-9"	4'-8"	4'-3"	3'-8"

For more ceiling span tables and table notes see:

<https://www.clarkdietrich.com/products/drywall-framing/furring-channel-hat-channel>

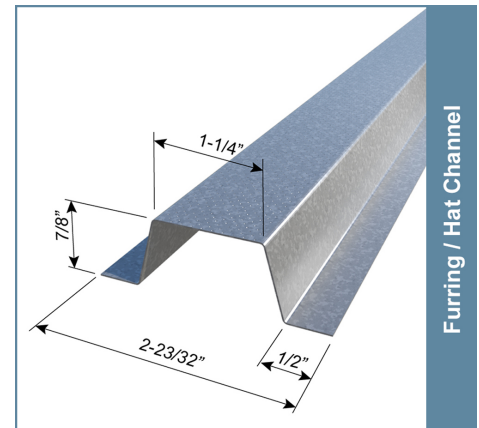
### Sustainability Credits:

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)



### 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: