

## Furring / Hat Channel

Product category 7/8" Furring / Hat Channel - 43mils (18ga)  
Product name 087F125-43 (33ksi)  
Coating CP60 per ASTM C955 (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,  $F_y$  33ksi  
Ultimate,  $F_u$  45ksi

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

Cross sectional area (A) 0.168 in<sup>2</sup>  
Member weight per foot of length 0.572 lb/ft  
Moment of inertia (I<sub>x</sub>) 0.020 in<sup>4</sup>  
Radius of gyration (R<sub>x</sub>) 0.345 in  
Gross moment of inertia (I<sub>y</sub>) 0.079 in<sup>4</sup>  
Gross radius of gyration (R<sub>y</sub>) 0.684 in

### Effective Section Properties, Strong Axis

Moment of inertia for deflection (I<sub>x</sub>) 0.020 in<sup>4</sup>  
Section modulus (S<sub>x</sub>) 0.043 in<sup>3</sup>  
Allowable bending moment (M<sub>a</sub>) 71 ft-lb  
Allowable shear force (V<sub>a</sub>) 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
- 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	6'-0"	5'-6"	4'-9"	5'-3"	4'-9"	4'-2"	4'-1"	3'-8"	3'-3"
Multiple Span	7'-5"	6'-9"	5'-11"	6'-6"	5'-11"	5'-2"	5'-0"	4'-7"	4'-0"

For more ceiling span tables and table notes see:

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

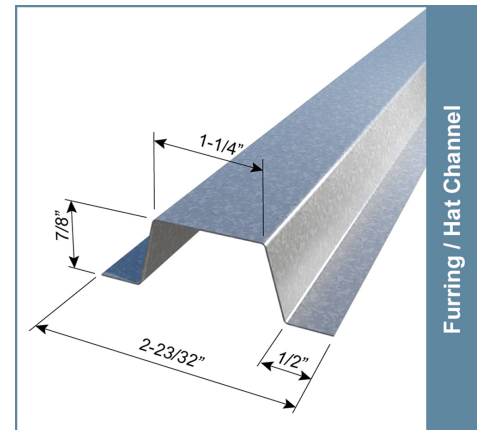
### Sustainability Credits:

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: