

Furring / Hat Channel

Product category 7/8" Furring / Hat Channel - 18mils (25ga)
Product name 087F125-18 (33ksi)
Coating G40EQ (G40 or G60 Available)

Geometric Properties

Depth 0.875 in
Width 1.250 in
Design Thickness 0.0188 in
Min. steel thickness 0.0179 in
Yield stress, F_y 33ksi
Ultimate, F_u 45ksi

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A) 0.072 in²
Member weight per foot of length 0.244 lb/ft
Moment of inertia (I_x) 0.009 in⁴
Radius of gyration (R_x) 0.354 in
Gross moment of inertia (I_y) 0.035 in⁴
Gross radius of gyration (R_y) 0.698 in

Effective Section Properties, Strong Axis

Moment of inertia for deflection (I_x) 0.008 in⁴
Section modulus (S_x) 0.016 in³
Allowable bending moment (M_a) 26.61 ft-lb
Allowable shear force (V_a) 255 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 25 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

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	4'-5"	4'-0"	3'-6"	3'-10"	3'-6"	3'-1"	3'-0"	2'-9"	2'-5"
Multiple Span	5'-6"	5'-0"	4'-4"	4'-9"	4'-4"	3'-10"	3'-8"	3'-4"	2'-10"

For more ceiling span tables and table notes see:

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

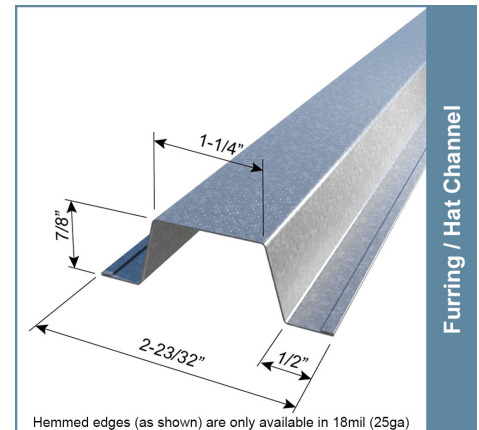
Sustainability Credits:

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)

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: