1-1/2" Furring / Hat Channel (150F125-18)

18mil (25ga)

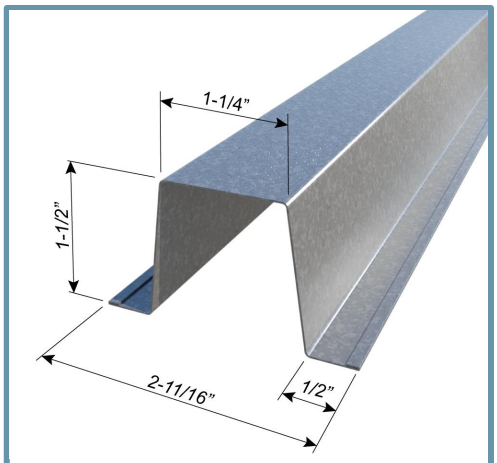
Geometric Properties

Depth: 1.500 in
Width: 1.250 in

Design Thickness: 0.0188 in
Min. steel thickness: 0.0179 in

Yield stress, Fy: 33ksi
Ultimate, Fu: 45ksi

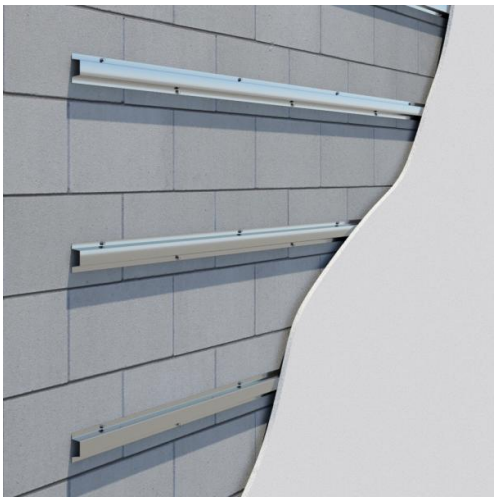
Gross Section Properties of Full Section, Strong Axis	
Effective Section Properties, Strong Axis	
Cross sectional area (A)	0.095 in^2
Member weight per foot of length	0.324 lb/ft
Moment of inertia (Ix)	0.031 in^4
Radius of gyration (Rx)	0.572 in
Gross moment of inerita (Iy)	0.052 in^4
Gross radius of gyration (Ry)	0.742 in
Moment of inertia for deflection (Ix)	0.029 in^4
Section modulus (Sx)	0.034 in^3
Allowable bending moment (Ma)	56.73 ft-lb
Allowable shear force (Va)	261 lb



Hemmed edges only available on 18mil (25ga)

Used in framing applications:

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



Product Data & Ordering Information:

Coating: G40EQ (G40 or G60 Available)
Stock length: 10'-0" and 12'-0" long pieces
Packaging: 10 pieces per bundle - 440 pieces per pallet
Packaging weight: 32 lbs/bundle

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

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

For more span tables and table notes see: www.clarkdietrich.com/products/furring-channel-hat-channel

Code Approvals & Performance Standards

- AISI S100-16 North American Specification for the Design of Cold-Formed Steel Structural Members
- AISI S220-15 North American Standard for CFS Framing - Nonstructural Members
  - (Compliant to ASTM C645 , but IBC replaced with AISI S220 in IBC 2015)
  - Section A4 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
  - Section A5 Corrosion Protection (Referencing ASTM A653/A653M)
  - Section C Installation - (Referencing ASTM C754)
- SDS For ASTM A1003 Steel Framing Products For Interior Framing, Exterior Framing and Clips/Accessories

Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **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).