

1-1/2" Furring / Hat Channel (150F125-54)

54mil (16ga)

Geometric Properties

Depth: 1.500 in
Width: 1.250 in

Design Thickness: 0.0566 in
Min. steel thickness: 0.0538 in

Yield stress, F_y : 50ksi
Ultimate, F_u : 65ksi

Gross Section Properties of Full Section, Strong Axis	
Effective Section Properties, Strong Axis	
Cross sectional area (A)	0.278 in ²
Member weight per foot of length	0.946 lb/ft
Moment of inertia (Ix)	0.087 in ⁴
Radius of gyration (Rx)	0.558 in
Gross moment of inertia (Iy)	0.145 in ⁴
Gross radius of gyration (Ry)	0.722 in
Moment of inertia for deflection (Ix)	0.087 in ⁴
Section modulus (Sx)	0.122 in ³
Allowable bending moment (Ma)	275.55 ft-lb
Allowable shear force (Va)	1117 lb

Product Data & Ordering Information:

Coating: CP60 (CP90 Available)

Stock length: 10'-0" and 12'-0" long pieces

Packaging: 10 pieces per bundle - 440 pieces per pallet

Packaging weight: 95 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	9'-10"	8'-11"	7'-9"	8'-7"	7'-9"	6'-10"	6'-8"	6'-0"	5'-3"
Multiple Span	12'-2"	11'-0"	9'-8"	10'-7"	9'-8"	8'-5"	8'-2"	7'-5"	6'-6"

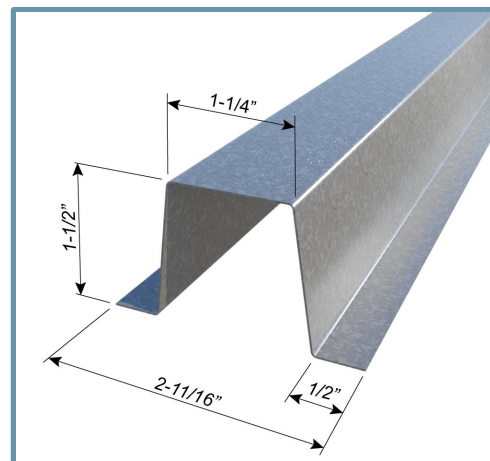
For more span tables and table notes see: www.clarkdietrich.com/products/furring-channel-hat-channel

Code Approvals & Performance Standards

- **AISI S100-16 (2020) w/S2-20** North American Specification for the Design of Cold-Formed Steel Structural Members
- **AISI S240-20** North American Standard for Cold-Formed Steel Structural Framing
 - (Compliant to ASTM C955, but IBC replaced with AISI S200 in IBC 2015, AISI S240 in IBC 2018)
 - Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
 - Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
 - Section C Installation - (Referencing ASTM C1007)
- **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).



Used in framing applications:

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

