

## 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

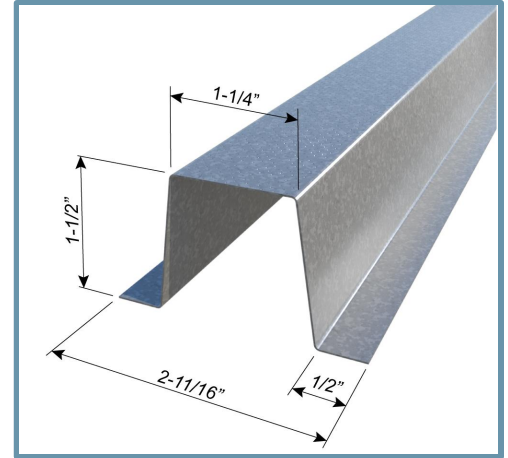
**Yield stress, Fy:** 50ksi  
**Ultimate, Fu:** 65ksi

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

Cross sectional area (A)	0.278 in <sup>2</sup>
Member weight per foot of length	0.946 lb/ft
Moment of inertia (Ix)	0.087 in <sup>4</sup>
Radius of gyration (Rx)	0.558 in
Gross moment of inertia (Iy)	0.145 in <sup>4</sup>
Gross radius of gyration (Ry)	0.722 in

#### Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix)	0.087 in <sup>4</sup>
Section modulus (Sx)	0.122 in <sup>3</sup>
Allowable bending moment (Ma)	275.55 ft-lb
Allowable shear force (Va)	1117 lb



### Used in framing applications:

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

### 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		
	12"	16"	24"	12"	16"	24"	12"	16"	24"
<b>Hat Spacing o.c.</b>	12"	16"	24"	12"	16"	24"	12"	16"	24"
<b>Single Span</b>	9'-10"	8'-11"	7'-9"	8'-7"	7'-9"	6'-10"	6'-8"	6'-0"	5'-3"
<b>Multiple Span</b>	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](http://www.clarkdietrich.com/products/furring-channel-hat-channel)

### Code Approvals & Performance Standards

- **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](http://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).

