

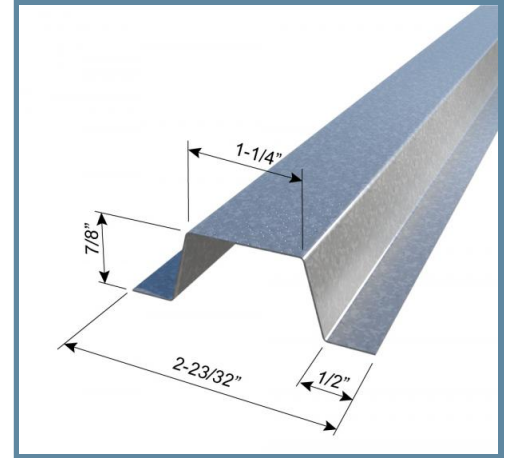
7/8" Furring / Hat Channel 087F125-54

54mil (16ga)

Geometric Properties

Depth: 0.875 in **Design Thickness:** 0.0566 in **Yield stress, Fy:** 50ksi
Width: 1.250 in **Min. steel thickness:** 0.0538 in **Ultimate, Fu:** 65ksi

| Gross Section Properties of Full Section, Strong Axis | |
|---|-----------------------|
| Cross sectional area (A) | 0.207 in ² |
| Member weight per foot of length | 0.706 lb/ft |
| Moment of inertia (Ix) | 0.024 in ⁴ |
| Radius of gyration (Rx) | 0.340 in |
| Gross moment of inertia (Iy) | 0.095 in ⁴ |
| Gross radius of gyration (Ry) | 0.678 in |
| Effective Section Properties, Strong Axis | |
| Moment of inertia for deflection (Ix) | 0.024 in ⁴ |
| Section modulus (Sx) | 0.059 in ³ |
| Allowable bending moment (Ma) | 128.85 ft-lb |
| Allowable shear force (Va) | 1091 lb |



Used in framing applications:

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

Product Data & Ordering Information:

Coating: CP60 per ASTM C955 (G90 Available)
Stock length: 10'-0" and 12'-0" long pieces
Packaging: 10 pieces per bundle - 440 pieces per pallet
Packaging weight: 71 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" |
| Hat Spacing o.c. | | | | | | | | | |
| Single Span | 6'-5" | 5'-10" | 5'-1" | 5'-7" | 5'-1" | 4'-5" | 4'-4" | 3'-11" | 3'-5" |
| Multiple Span | 7'-11" | 7'-2" | 6'-3" | 6'-11" | 6'-3" | 5'-6" | 5'-4" | 4'-10" | 4'-3" |

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 CFS Structural Members

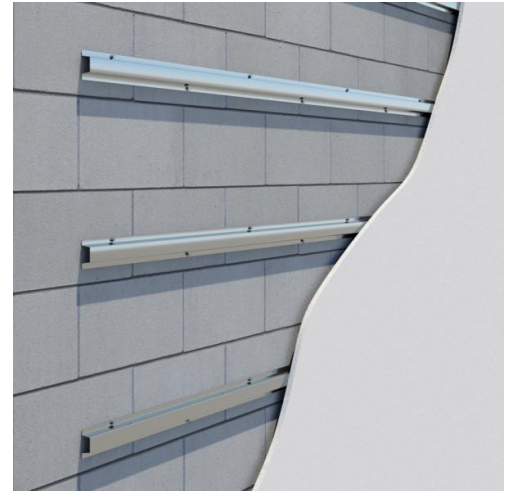
AISI S220-15 North American Standard for CFS Framing - Nonstructural Members

- Section A4 - Material - Chemical & mechanical requirements (Referencing ASTM A1003 / A1003M)
- Section A5 - Corrosion Protection (Referencing ASTM A653 / A653M)
- Section C - Installation - (Referencing ASTM C754)

AISI S240-15 North American Standard for Cold-Formed Steel Structural Framing

- 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 & Product Certification Information is available at www.clarkdietrich.com/SupportDocs



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).