

7/8" Furring / Hat Channel (087F125-30)

30mil (20ga DW)

Geometric Properties

Depth: 0.875 in
Width: 1.250 in

Design Thickness: 0.0312 in
Min. steel thickness: 0.0296 in

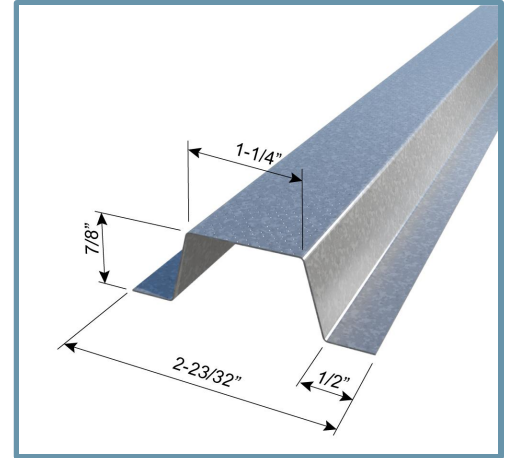
Yield stress, Fy: 33ksi
Ultimate, Fu: 45ksi

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.118 in ²
Member weight per foot of length	0.401 lb/ft
Moment of inertia (Ix)	0.014 in ⁴
Radius of gyration (Rx)	0.350 in
Gross moment of inertia (Iy)	0.056 in ⁴
Gross radius of gyration (Ry)	0.691 in

Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix)	0.014 in ⁴
Section modulus (Sx)	0.031 in ³
Allowable bending moment (Ma)	50.98 ft-lb
Allowable shear force (Va)	420 lb



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:** 41 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.	12"	16"	24"	12"	16"	24"	12"	16"	24"
Single Span	5'-5"	4'-11"	4'-3"	4'-9"	4'-3"	3'-9"	3'-8"	3'-4"	2'-11"
Multiple Span	6'-8"	6'-1"	5'-3"	5'-10"	5'-3"	4'-7"	4'-6"	4'-1"	3'-7"

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).

