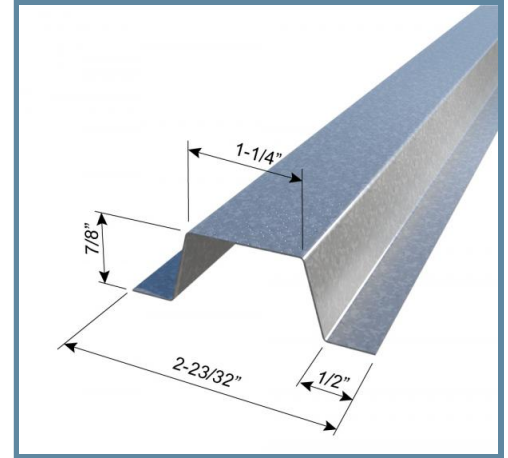


7/8" Furring / Hat Channel 087F125-33
33mil (20ga STR)

Geometric Properties

Depth: 0.875 in **Design Thickness:** 0.0346 in **Yield stress, Fy:** 33ksi
Width: 1.250 in **Min. steel thickness:** 0.0329 in **Ultimate, Fu:** 45ksi

Gross Section Properties of Full Section, Strong Axis	
Cross sectional area (A)	0.130 in ²
Member weight per foot of length	0.443 lb/ft
Moment of inertia (Ix)	0.016 in ⁴
Radius of gyration (Rx)	0.349 in
Gross moment of inertia (Iy)	0.062 in ⁴
Gross radius of gyration (Ry)	0.689 in
Effective Section Properties, Strong Axis	
Moment of inertia for deflection (Ix)	0.016 in ⁴
Section modulus (Sx)	0.034 in ³
Allowable bending moment (Ma)	56.23 ft-lb
Allowable shear force (Va)	464 lb

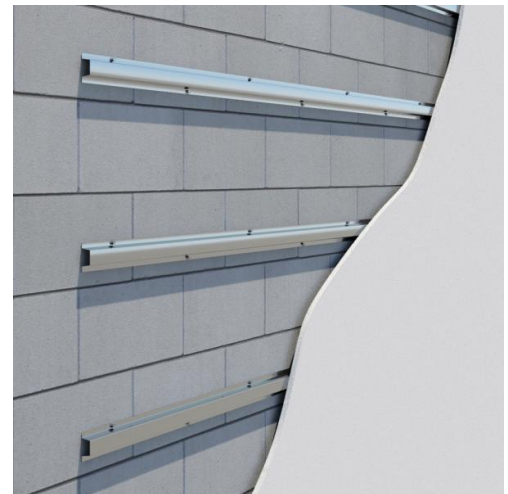


Used in framing applications:

- 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: 47 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	5'-7"	5'-1"	4'-5"	4'-10"	4'-5"	3'-10"	3'-9"	3'-5"	3'-0"
Multiple Span	6'-11"	6'-3"	5'-6"	6'-0"	5'-6"	4'-9"	4'-8"	4'-3"	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 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)

