

7/8" Furring / Hat Channel 087F125-18
18mil (25ga)

Geometric Properties

Depth: 0.875 in **Design Thickness:** 0.0188 in **Yield stress, Fy:** 33ksi
Width: 1.250 in **Min. steel thickness:** 0.0179 in **Ultimate, Fu:** 45ksi

Gross Section Properties of Full Section, Strong Axis	
Cross sectional area (A)	0.072 in ²
Member weight per foot of length	0.244 lb/ft
Moment of inertia (Ix)	0.009 in ⁴
Radius of gyration (Rx)	0.354 in
Gross moment of inertia (Iy)	0.035 in ⁴
Gross radius of gyration (Ry)	0.698 in
Effective Section Properties, Strong Axis	
Moment of inertia for deflection (Ix)	0.008 in ⁴
Section modulus (Sx)	0.016 in ³
Allowable bending moment (Ma)	26.61 ft-lb
Allowable shear force (Va)	255 lb

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: 25 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	4'-5"	4'-0"	3'-6"	3'-10"	3'-6"	3'-1"	3'-0"	2'-9"	2'-5"
Multiple Span	5'-6"	5'-0"	4'-4"	4'-9"	4'-4"	3'-10"	3'-8"	3'-4"	2'-10"

Code Approvals & Performance Standards:

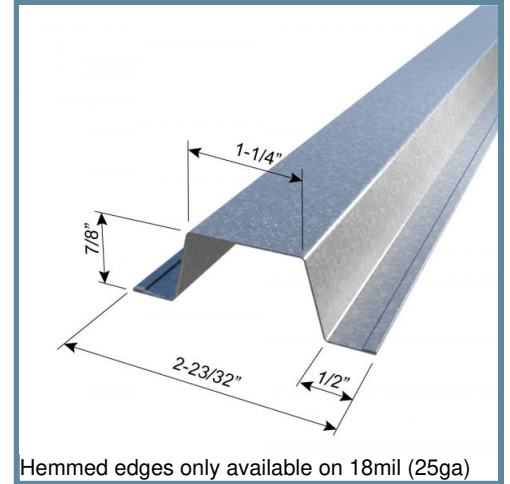
AISI S100-16 North American Specification for the Design of CFS Structural Members

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)



Hemmed edges only available on 18mil (25ga)

Used in framing applications:

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

