

## 7/8" Furring Hat Channel (087F125-33)

### STR 20GA (33mil)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

Coating:

- 18mil - 30mil: G40 (standard), G60 (special order)
- 33mil - 97mil: G60 (standard), G90 (special order)

**SUPER STUD FURRING "HAT" CHANNEL** is a cold-formed, hat-shaped framing component used to create a uniform substrate for the attachment of gypsum panels, siding, and other finish materials. It is commonly used to furr out walls, ceilings, and soffits, particularly over masonry or uneven surfaces where a true plane is required.

Geometric Properties			
Depth	0.875 in.	Design Thickness	0.0346 in.
Width	1.250 in.	Min. Steel Thickness	0.0329 in.
		Yield Strength, Fy	33 ksi

GROSS PROPERTIES		
Area (in <sup>2</sup> )	Total cross-sectional steel area	0.130
Weight (lb/ft)	Linear weight per foot of length	0.443
Ix (in <sup>4</sup> )	Moment of inertia (Ix)	0.016
Rx (in)	Radius of gyration (Rx)	0.349
Iy (in <sup>4</sup> )	Gross moment of inertia (Iy)	0.062
Ry (in)	Gross radius of gyration (Ry)	0.689
EFFECTIVE PROPERTIES		
Ix (in <sup>4</sup> )	Moment of inertia for deflection (Ix)	0.016
Sx (in <sup>3</sup> )	Section modulus (Sx)	0.034
Ma (ft-lb)	Allowable bending moment (Ma)	56.23
Va (lb)	Allowable shear force (Va)	464

#### CODES AND STANDARDS:

Super Stud products comply with the applicable provisions of the following:

- International Building Code (IBC): 2006–2024
- AISI S100-16 (2020) w/S2-20 (where applicable)
- AISI S240 (where applicable)
- Sheet Steel: ASTM A1003/A1003M; ASTM A653/A653M
- Galvanized Coating: ASTM A653/A653M or equivalent
- Additional Standards: AISI S201; AISI S202

Accessories are manufactured to applicable ASTM and AISI standards based on product type and intended application.

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