

## 7/8" Furring Hat Channel (087F125-18)

### 25GA (18mil)

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     | 0.0188 in. |
| Width                | 1.250 in. | Min. Steel Thickness | 0.0179 in. |
|                      |           | Yield Strength, Fy   | 33 ksi     |

| GROSS PROPERTIES        |                                       |       |
|-------------------------|---------------------------------------|-------|
| Area (in <sup>2</sup> ) | Total cross-sectional steel area      | 0.072 |
| Weight (lb/ft)          | Linear weight per foot of length      | 0.244 |
| Ix (in <sup>4</sup> )   | Moment of inertia (Ix)                | 0.009 |
| Rx (in)                 | Radius of gyration (Rx)               | 0.354 |
| Iy (in <sup>4</sup> )   | Gross moment of inertia (Iy)          | 0.035 |
| Ry (in)                 | Gross radius of gyration (Ry)         | 0.698 |
| EFFECTIVE PROPERTIES    |                                       |       |
| Ix (in <sup>4</sup> )   | Moment of inertia for deflection (Ix) | 0.008 |
| Sx (in <sup>3</sup> )   | Section modulus (Sx)                  | 0.016 |
| Ma (ft-lb)              | Allowable bending moment (Ma)         | 26.61 |
| Va (lb)                 | Allowable shear force (Va)            | 255   |

#### 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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