

Furring / Hat Channel

Product category 1-1/2" Furring / Hat Channel - 20ga STR (33mils)
Product name 150F125-33 (33ksi, CP60)
Coating CP60 (G90 available)

Geometric Properties

Depth 1.500 in
Width 1.250 in
Design Thickness 0.0346 in
Min. steel thickness 0.0329 in
Yield stress, Fy 33ksi
Ultimate, Fu 45ksi

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A) 0.174 in⁽²⁾
Member weight per foot of length 0.590 lb/ft
Moment of inertia (Ix) 0.056 in⁽⁴⁾
Radius of gyration (Rx) 0.566 in
Gross moment of inertia (Iy) 0.093 in⁽⁴⁾
Gross radius of gyration (Ry) 0.733 in

Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix) 0.056 in⁽⁴⁾
Section modulus (Sx) 0.071 in⁽³⁾
Allowable bending moment (Ma) 117.31 ft-lb
Allowable shear force (Va) 474 lb

Product Data & Ordering Information:

Stock length 10'-0" and 12'-0" long pieces
Packaging 10 pieces per bundle - 440 pieces per pallet
Packaging weight 61 lbs/bundle

ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-12
- Structural furring is produced to meet or exceed ASTM C955
- Galvanized sheet steel meets or exceeds requirements of ASTM A1003
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

Furring / Hat Channel Allowable Ceiling Spans (Deflection: L/360)

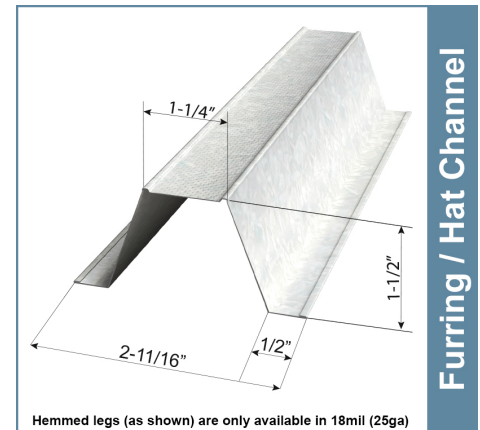
Dead Load Hat Spacing o.c.	4 psf 12"	4 psf 16"	4 psf 24"	6 psf 12"	6 psf 16"	6 psf 24"	13 psf 12"	13 psf 16"	13 psf 24"
Single Span	8'-6"	7'-8"	6'-9"	7'-5"	6'-9"	5'-10"	5'-9"	5'-2"	4'-6"
Multiple Span	10'-6"	9'-6"	8'-4"	9'-2"	8'-4"	7'-3"	7'-1"	6'-5"	5'-7"

For more ceiling span tables and table notes see:
<https://www.clarkdietrich.com/products/drywall-framing/furring-channel-hat-channel>

Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
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).
LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)

05.40.00 (Cold-Formed Metal Framing)



Furring / Hat Channel

Used in framing applications:

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

Project Information

Name:
Address:

Contractor Information

Name:
Contact:
Phone:
Fax:

Architect Information

Name:
Contact:
Phone:
Fax: