

Furring / Hat Channel

Product category 7/8" Furring / Hat Channel - 16ga (54mils)
Product name 087F125-54 (50ksi, CP60)
Coating CP60 (G90 available)

Geometric Properties

Depth 0.875 in
Width 1.250 in
Design Thickness 0.0566 in
Min. steel thickness 0.0538 in
Yield stress, Fy 50ksi
Ultimate, Fu 65ksi

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A) 0.207 in²
Member weight per foot of length 0.706 lb/ft
Moment of inertia (Ix) 0.024 in⁴
Radius of gyration (Rx) 0.340 in
Gross moment of inertia (Iy) 0.095 in⁴
Gross radius of gyration (Ry) 0.678 in

Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix) 0.024 in⁴
Section modulus (Sx) 0.059 in³
Allowable bending moment (Ma) 128.85 ft-lb
Allowable shear force (Va) 1091 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 71 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)

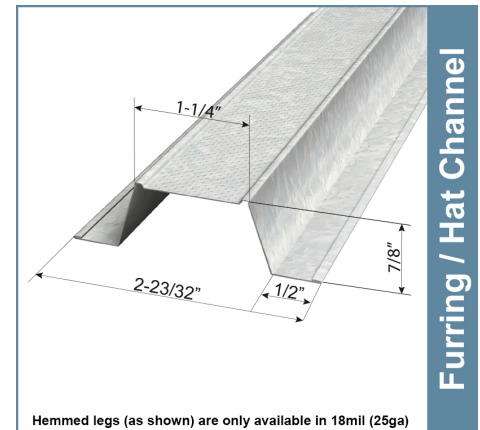
Dead Load Hat Spacing o.c.	4 psf 12"	4 psf 16"	4 psf 24"	6 psf 12"	6 psf 16"	6 psf 24"	13 psf 12"	13 psf 16"	13 psf 24"
Single Span	6'-5"	5'-10"	5'-1"	5'-7"	5'-1"	4'-5"	4'-4"	3'-11"	3'-5"
Multiple Span	7'-11"	7'-2"	6'-3"	6'-11"	6'-3"	5'-6"	5'-4"	4'-10"	4'-3"

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)



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: