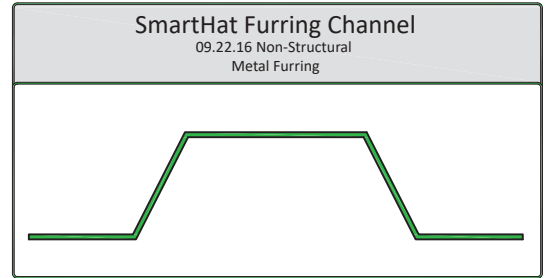


Product Category: 087F125-23
Product Name: 7/8" 23mil SmartHat Furring Channel



Physical Properties

Web Depth (in)	0.875	Yield Stress Fy (KSI)	50
Flange Width (in)	1.250	Mils	23
Coating A1003	G40	Design Thickness (in)	0.0245
G60 Available by Request		Minimum Thickness (in)	0.0233
Weight (lb/ft)	0.309	Gauge EQ	20

Section Properties

Cross Sectional Area (A)	0.0909 in ²
Moment of Inertia (Ix)	0.0114 in ⁴
Radius of Gyration (Rx)	0.3548 in
Gross Moment of Inertia (Iy)	0.0459 in ⁴

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.0114 in ⁴
Section Modulus (Sxe)	0.0220 in ³
Allowable Bending Moment (Ma)	0.5490 in-k

Hat Furring Allowable Spans L/240										
Product 087F125-23	Span Type	4 psf			6 psf			13 psf		
		Hat Spacing (in)			Hat Spacing (in)			Hat Spacing (in)		
		12	16	24	12	16	24	12	16	24
	Single	5'-9"	5'-2"	4'-7"	5'-0"	4'-7"	4'-0"	3'-10"	3'-6"	3'-1"
	Multiple	7'-1"	6'-5"	5'-7"	6'-2"	5'-7"	4'-11"	4'-9"	4'-4"	3'-10"

Hat Furring Allowable Spans L/360										
Product 087F125-23	Span Type	4 psf			6 psf			13 psf		
		Hat Spacing (in)			Hat Spacing (in)			Hat Spacing (in)		
		12	16	24	12	16	24	12	16	24
	Single	5'-0"	4'-7"	4'-0"	4'-4"	4'-0"	3'-6"	3'-5"	3'-1"	2'-8"
	Multiple	6'-2"	5'-7"	4'-11"	5'-5"	4'-11"	4'-3"	4'-2"	3'-10"	3'-4"

MANUFACTURING Codes & Standards

- NASPEC AISI S100-07 IBC 2009 2012 Compliant
- Coated in accordance to ASTM A1003 & A653
- Meets or exceeds ASTM C645 & C745 & AISI S220

GREEN Benefits & LEED Data:

- LEED Credit MR 2 - Construction Waste Mgmt - 1-2 Points
- LEED Credit MR 4 - Recycled Credit - 1-2 Points
- LEED Credit MR 5 - Regional Materials - 1-2 Points
- CRACO products are 100% recyclable
- Contact Technical Services for more information