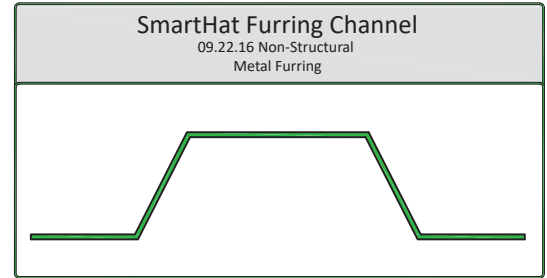


Product Category: 087F125-18
Product Name: 7/8" 18mil SmartHat Furring Channel

Physical Properties

Web Depth (in)	0.875	Yield Stress Fy (KSI)	33
Flange Width (in)	1.250	Mils	18
Coating A1003	G40	Design Thickness (in)	0.0188
G60 Available by Request		Minimum Thickness (in)	0.0179
Weight (lb/ft)	0.239	Gauge	25



Section Properties

Cross Sectional Area (A)	0.0700 in ²
Moment of Inertia (Ix)	0.0090 in ⁴
Radius of Gyration (Rx)	0.3560 in
Gross Moment of Inertia (Iy)	0.0354 in ⁴

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.0086 in ⁴
Section Modulus (Sx)	0.0160 in ³
Allowable Bending Moment (Ma)	0.3170 in-k

Hat Furring Allowable Spans L/240										
Product 087F125-18	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'-2"	4'-9"	4'-1"	4'-6"	4'-1"	3'-7"	3'-9"	3'-2"	2'-9"
	Multiple	6'-5"	5'-10"	5'-1"	5'-7"	5'-1"	4'-2"	4'-0"	3'-6"	2'-10"

Hat Furring Allowable Spans L/360										
Product 087F125-18	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	4'-6"	4'-1"	3'-7"	4'-0"	3'-7"	3'-2"	3'-1"	2'-9"	2'-5"
	Multiple	5'-7"	5'-1"	4'-5"	4'-11"	4'-5"	3'-11"	3'-9"	3'-5"	2'-10"

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